ABSTRACTS SUBJECT INDEX TO VOLUME 101

ABDOMEN, Traumatic rupture of normal spleen; experimental study concerning mechanics of its genesis, 63; closed injuries of, 64; disruption of wounds of, 66; surgical treatment of retroperitoneal tumors, 166; subcostosternal hernia (hernia through foramen of Morgagni); report of case, 251; 12 cases of prolapse of rectum: treated by Roscoe Graham operation, 255; management of accidental injuries and deliberate resections of ureter during excision of rectum, 256; classification of retroperitoneal tumors as guide in clinical diagnosis, 260; repair of laceration of superior mesenteric artery acquired by nonpenetrating injury to, 294; peritoneum; plea for change in attitude toward this membrane, 353; reinforcement of inguinal ligament for recurrent inguinal hernias, 354; generalized emphysema of deep cellular tissue, 365; diagnosis of cysts of, in infants and children, 410; rupture of duodenum due to nonpenetrating trauma of, 525

Abdominal wall, Surgical approach to femoral canal, 157

Abnormalities, Congenital, 414

Abscess, Fifty years of neurosurgery, 1905–1955; collective review, 417, 421, 457; treatment of mediastinal, by slitting of esophagus, 522

Accidents, Injuries due to, in preschool children; general survey, 401

Acetabulum, Osteochondritis of, 608

Acid, Physiology of gastric antrum; experimental studies on isolated antrum pouches in dogs, 251

Acrosclerosis, Angiopathies in, 614

ACTH, Development in plastic surgery, 1905–1955; collective review, 209; effects of adrenocorticotropic hormone, and cortisone on peptic ulcer; experimental studies on Mann-Williamson dogs, 253

Actinomycosis, Cervicofacial; etiology and diagnosis, 140; of brain; report of successfully treated case, 336

Adenomas, Localization of parathyroid, by arteriography, 303; clinical and pathologic study of bronchial, 344; fifty years of neurosurgery, 1905–1955; collective review, 417

Adhesions, Use of hyaluronidase in prevention and treatment of postoperative peritoneal; experimental study, 207

Adrenalectomy for breast cancer, 244

Adrenal glands, Urology, 1905–1955; collective review, 1; pheochromocytoma; study of 15 cases diagnosed at autopsy, 71; pheochromocytoma; report of 2 cases with review of diagnostic tests, 175; tumors of; tumors of medulla of, 273; characteristics of mammary cancers dependent on, 309; uses and abuses of steroids of, and corticotropin, 330; cysts of, 379; instance of extrasuprarenal pheochromocytoma seated in mesentery, 379; pheochromocytoma and obstetrician, 598

Albumin, Use of human serum, in management of acute pancreatitis; experimental and clinical observations, 364

Amenorrhea, Stilbestrol-induced hyperhormonal, for treatment of pelvic endometriosis, 372

Ammonia metabolism in man, 101

Amputation, Syme's, 288

Amyloidosis, Hepatoma with recurrence and, 163

Analgesia, Role of antihistaminic drugs in regional and spinal analgesia, 93

Anaphylaxis, Experimental confirmation of theory of, of acute pancreatic necrosis, 259

Anatomy, Fifty years' progress in surgery of hand; collective review, 541

Anemia, Combined effects of thermal burns and whole-body x-irradiation, 90

Anesthesia, Urology, 1905–1955; collective review, 1; intracardiac surgery under direct vision; closure of atrioseptal defects in dogs using artificial hibernation (hypothermia), 50; in poor risk patient, 92; hypotensive spinal; respiratory, metabolic, hepatic, renal, and cerebral effects, 92; artificial hypothermia; definition, results in clinical experiments, and clinical use, 93; 50 years of progress; collective review, 105; study of, for 1,176 transurethral prostatectomies, 177; d-tubocurarine antagonist; pyridostigmine (mestinon) or RO 1-5130, 195; hypothermic neuroplegia known as "artificial hibernation" produced by dihydrogenated derivates of ergot of rye; physiologic study, 195; potentiated, and artificial hibernation, 196; "neuroplegia," "potentiated narcosis," and "controlled hypothermia" (pharmacology), 197; heart under artificial hibernation, 197; in modern obstetrics, 269; for obstetrics; Shane-Ashman method in 1,131 deliveries, 270; controlled hypotension, 301; present day indications and limitations of hibernotherapy as applied in obstetric and gynecologic clinic, 373; preliminary study on peripheral circulation during deep hypothermia; decreased suspension stability of blood and its prevention, 407; cardiac arrest; etiologic considerations with reports of 17 cases, 407; limitations of cardiac surgery under hypothermia; experimental study, 520

Anesthetist, Looks at burned child, 298; looks at preoperative and postoperative care, 533

Aneurysm, Aortic arch resection and grafting for, employing external shunt, 153; venous, of mediastinum, 155; arteriovenous, of pulmonary vessels, 244; resection of thoracic aorta with replacement by homograft for, and constrictive lesions, 246; intrasaccular wire tamponade of thoracic aortic, 247; resection and replacement with venous autograft of dissecting, and traumatic obliterating arteritis, 530

Angina pectoris, Relation of gallstone disease to, 363

Angioreticulosarcoma of gallbladder; case report, 363

Anlagen, Persistence of ancestral renal, 78

Anomalies, Urology, 1905–1955; collective review, 1

Antibiotics, Clinical significance of bacteria resistant to, 194; critical re-evaluation of therapy with, in surgery, 194; rectal strictures of lymphogranuloma venereum; observations from 5 year study of treatment with broad spectrum, 256; bacteremia following tonsillectomy; effect of preoperative treatment with, in postoperative bacteremia and bacterial content of tonsils, 331; side effects of, in surgery, 407; fifty years progress in surgery of hand; collective review, 541

Antihistamine, Role of, in regional and spinal analgesia, 93

Anuria, Newer aspects in treatment of acute, 615

Anus, Epidermoid carcinoma of, and rectum, 161; Bowen's disease of region of (squamous cell carcinoma in situ); report of 3 cases, 162; squamous cell carcinoma of; results of treatment, 257; pectenosis and its surgical treatment, 585

Aorta, Treatment of certain coarctations with homologous grafts fixed in 4 per cent formalin, 51; experiences in surgical treatment of stenosis of, 52;

some hemodynamic effects of Hufnagel operation for regurgitation of; studies in models and patient, 153; arch resection of, and grafting for aneurysm employing external shunt, 153; embolectomy of, 192; spinal cord damage in abdominal aortography, 199; resection of thoracic, with replacement by homograft for aneurysms and constrictive lesions, 246; intrasaccular wire tamponade of thoracic aneurysms of, 247; coarctation of, with reference to first year of life, 521

Aortography, Urology, 1905–1955; collective review, 1

Apnea, Exchange of gases in acute, 342

Apocrine glands, Hidradenoma of perianum, 162

Apresoline, Hexamethonium chloride and, in toxemia of pregnancy; preliminary report, 375

Arm, Supination defect of forearm, 203; surgical treatment of Raynaud's syndrome of upper extremity, 571; pathogenesis of venous edema of, after radical mastectomy and its importance for surgery, 574; roller and wringer injuries; clinical and experimental studies, 616

Arteries, Operations for disease of coronary, 51; surgery of infundibular pulmonic stenosis with intact ventricular septum (type of "pure" pulmonic stenosis), 54; traumatic spasm of, and thrombosis, 83; therapy of embolism of, 83; experimental and clinical studies on homografts and heterografts of, preserved in alcohol; preliminary report, 84; 4 years' clinical experience with internal mammary artery implantation in treatment of human coronary artery insufficiency including additional experimental studies, 245; attempt at treatment of acute occlusions of, of extremities with fibrinolytic enzymes, 293; arteriovenous anastomosis in treatment of gangrene of extremities due to occlusion of, 293; use of rigid and flexible plastic prosthesis for replacement of, 294; method of blood vessel anastomosis by means of metal clips; an experimental study, 294; repair of laceration of superior mesenteric, acquired by nonpenetrating injury to abdomen, 294; homotransplantation of formaldehyde preserved, in dogs; fundamental study, 399; obliterative lesions of peripheral, 530; digital, of hands in Raynaud's disease, 530; experimental vascular grafts; homograft degeneration, 531

Arteriosclerosis, Peripheral; clinical and arteriographic evaluation with reference to conservative surgical treatment, 191; revascularization of extremity with, 398

Arteritis, Resection and replacement with venous autograft of dissecting aneurysm and traumatic obliterating, 530

Aryepiglottic folds, 145

Ascariasis of biliary tract; roentgenologic demonstration, 95

Asepsis, Disturbance of, and infection by prophylactic use of sulfonamide powder, 406

Astrocytoma, Fifty years of neurosurgery, 1905–1955; collective review, 417, 472

Atelectasis neonatorum, 271

Bacteremia following tonsillectomy; effect of preoperative treatment with antibiotics in postoperative, and bacterial content of tonsils, 331

Bacteria, Clinical significance of antibiotic-resistant, 194; studies of, in human liver, 529

Bacteriology, Effect of indwelling catheter on, of male urethra and bladder, 77

Banks, Development in plastic surgery, 1905–1955; collective review, 209

Benzylpenicillin, Studies on distribution and fate of S 35—labelled, in body, 406

Bile, Main cholanic acids of human, from normal gallbladder and from gallbladder associated with cholesterol stones, 63; lipid constituents of, from human gallbladder containing cholesterol gallstones; comparison with normal human bladder, 163; extravasation of, after operations on biliary tract, 363

Bile ducts, Recurrent pyogenic cholangitis, 164; massive bleeding from common, caused by indwelling t-tube, 164; experimental approach to repair of benign strictures of common, 363

Biliary tract, Ascariasis of; roentgenologic demonstration, 95; caudal pancreaticojejunostomy for chronic relapsing pancreatitis, 164; diagnosis and management of disease of, 257; experimental approach to repair of benign strictures of common bile duct, 363; gallbladder and, 587; evaluation of dilatation of sphincter of Oddi, 587; surgical considerations in management of chronic relapsing pancreatitis, 588

Biopsy, Urology, 1905–1955; collective review, 1

Bladder, Urology, 1905–1955; collective review, 1; recent anatomic and physiologic facts regarding prostate and vesical outlet and their significance for operative intervention, 72; leiomyoma of, 73; effect of indwelling catheter on bacteriology of male urethra and, 77; treatment of malignant tumors of; irradiation therapy, 177; clinical forms of urogenital tuberculosis, 179; management of obstruction of neck of, in children, 278; obstruction of orifice of, in women and its treatment by transurethral resection, 278; fibroma of urinary, 278; advantages of transurethral removal of certain tumors of, 279; use of radioactive cobalt (Co^{60}) in nylon sutures in treatment of carcinoma of; preliminary report, 279; new operation for creation of artificial, with voluntary control of urine and feces, 279; experimental use of seromuscular grafts in reconstruction of; preliminary report, 280; experience with implantation of radon seeds for tumors of; comparison of results with other forms of treatment, 383; extremely rare mesenchymal tumor of; angioreticulosarcoma, 383; conservative versus radical treatment of tumors of, 384; traumatic avulsion of neck of, and prostate complicating fractures of pelvis, 388

Blood, Cardiovascular and blood volume alterations resulting from intrajejunal administration of hypertonic solutions to gastrectomized patients; relationship of changes to dumping syndrome, 57; therapy of surgical shock with whole, and several plasma substitutes, 85; hemostatic action of thrombokinase, 103; hemolytic disease of newborn; present status and management, 173; correlative study of external pancreatic secretion, plasma antithrombin titer, blood amylase concentration, and serum mucoprotein level in patients with and without pancreatic disease, 259; natural history and management of hemolytic transfusion reactions, 296; fibrinogenopenia complicating pregnancy; clinical and laboratory studies, 376; exchange transfusion in hemolytic disease of newborn, 378; bacterial flora of, in Korean battle casualty, 405; idiopathic hypogammaglobulinemia and agammaglobulinemia; review of literature and report of case, 414; assessment of loss of, in civilian trauma, 535; biological and clinical study of synthetic heparin: dextran sulfate, 537; abruptio placentae with hypofibrinogenemia; suggested management; reports of cases, 595; hypofibrinogenemia and defects of coagulation, 597; incidence and type of bacteremia at time of various prostatectomy procedures, 602; studies on stored, and its relationship to its biologic properties, and indications for transfusion of whole, 614

Blood pressure, Fat embolism prophylaxis by reduction of, 86; study of liver damage following induced hypotension, 102; renal circulation in experimental hypertension; angiographic and morphologic studies in rabbit, 103; portal tension and its dependence on external pressure, 162; demonstration of collateral

function of esophageal varices in portal hypertension, 162; splenorenal anastomosis by transabdominal approach; description of technique with report of 9 cases, 365; effect of intravenous calcium gluconate on posttransfusion hypotension; clinical observations, 399

Blood transfusion, Anesthesia: 50 years of progress; collective review, 105; prevention of accidents in, 295

Blood vessels, Reoperation on lumbar sympathetic chain, 46; treatment of certain coarctations with homologous grafts fixed in 4 per cent formalin, 51; experiences in surgical treatment of aortic stenosis, 52; experimental study on collateral circulation after ligation of hepatic artery, 62; traumatic arterial spasm and thrombosis, 83; experimental and clinical studies on arterial homografts and heterografts preserved in alcohol; preliminary report, 84; experiences with hydergin in peripheral circulatory disturbances, 85; relationship between third ventricle and basilar artery, 95; vascular occlusions in light of carotid and vertebral angiogram, 96; criticism of conception of placental arteriovenous fistula, 173; results of long-continued conservative therapy of peripheral circulatory disturbances with hydergin, 191; peripheral arteriosclerosis; clinical and arteriographic evaluation with reference to conservative surgical treatment, 191; accessory vessels of kidney and their diagnosis in hydronephrosis, 203; angiographic contributions to problem of origin of vascular disease and disturbances of blood supply with reference to terminal circulatory passages, 204; arteriovenous aneurysm of pulmonary vessels, 244; four years' clinical experience with internal mammary artery implantation in treatment of human coronary artery insufficiency including additional experimental studies, 245; arterialization of coronary sinus in occlusive coronary artery disease; coronary flow in dogs with aorticocoronary sinus anastomosis of 6 months' duration, 246; resection of thoracic aorta with replacement by homograft for aneurysms and constrictive lesions, 246; attempt at treatment of acute arterial occlusions of extremities with fibrinolytic enzymes, 293; method of anastomosis of, by means of metal clips; experimental study, 294; percutaneous angiography with reference to peripheral vessels, 305; vascular supply of optic pathway; further studies by microarteriography of optic nerve, 329; revascularization of heart muscle; experimental and histologic results in animals after implantation of internal mammary artery, 350; revascularization of arteriosclerotic extremity, 398; homotransplantation of formaldehyde-preserved arteries in dogs; fundamental study, 399; limits and dangers of injection therapy for varices, 399; fifty years of neurosurgery, 1905–1955; collective review, 417, 458, 497; coarctation of aorta with reference to first year of life, 521; obliterative lesions of peripheral arteries, 530; resection and replacement with venous autograft of dissecting aneurysm and traumatic obliterating arteritis, 530; experimental vascular grafts; arterial homograft degeneration, 531; late results of inferior vena cava ligation, 531; hypertensive ischemic leg ulcer, 531; determination of pressure in portal circulation by catheterization of hepatic veins, 585; effect of ligation of hepatic artery on development of collateral circulation in dog, 586; method for determining patency of portacaval and splenorenal shunts, 587; arteriography of uterine and adnexal, 591; injury of inferior vena cava during nephrectomy, 600; pathogenesis of Sudeck's syndrome, 605; Sudeck's syndrome after fractures, 611; clinical value of angiocardiography, 613; angiopathies in acrosclerosis, 614

Bone, Observations on course of skeletal tuberculosis when under treatment with antituberculous medication, 79; recent trends in treatment of osteosarcomas, 82; grafting procedures in extremities, 185; aneurysmal cysts of, 203; pathogenesis, symptomatology, and therapy of Sudeck's syndrome, 206; development in plastic surgery, 1905–1955; collective review, 209; multiple symmetric umbau zones (Milkman syndrome) of unusual etiology and location, 283; anomalies of tarsus in relation to "peroneal spastic flat foot," 284; surgical treatment of solitary cysts of, and giant cell tumors, 288; further experiences with Phemister grafting of, 289; surgical treatment of nonunion and delayed union of long, 291; surgical endocrinology; urinary excretion of 17-hydroxycorticoids and associated metabolic changes in cases of soft tissue trauma of varying severity and in trauma of, 311; fate of radiopaque media injected into cancellous, of extremities, 391; homograft of, from osteogenic exostosis, 393; disturbances of sweat secretion in Sudeck's syndrome, 414; fifty years' progress in surgery of hand; collective review, 541; skeletal lesions in coccidioidomycosis, 605; ossification of vertebra, 606; significance of shifts in serum protein contents in diagnosis of tumors of, 620; dyschondroplasia and hemangiomas (Maffucci's syndrome), 623

Brain, Relationship between third ventricle and basilar artery, 95; tumor problem; treatment of malignant tumors with roentgen irradiation of diencephalon, 98; venographic clues to localization of intracranial masses, 199; distribution and pathology resulting from intracerebral and intraventricular injection of radioactive gold and silver-coated radiogold colloids, 205; new method of treatment of inoperable tumors of, by stereotaxic implantation of radioactive gold; preliminary report, 307; clinical observations on 900 cases of recent craniocerebral trauma, 335; actinomycosis of; report of successfully treated case, 336; combined surgicoradiation management of multiform glioblastoma with radioactive cobalt Co^{60}, 336; effect on cerebral circulation and metabolism in man of acute reduction in blood pressure by means of intravenous hexamethonium bromide and head-up tilt, 408; fifty years of neurosurgery, 1905–1955; collective review, 417, 419, 421, 435, 436, 449, 457, 465, 471, 474, 476, 497; pathogenesis of injury due to contrast media in cerebral angiography and its avoidance, 569; trial of new treatment of inoperable tumors of; placement of radioactive gold by stereotaxis, 569; affections of acoustic nerve in occipitovertebral malformations, 570; maternal hydramnios and congenital anomalies of central nervous system. 597

Breast, Tumor heredity in tumor of, 47; results of treatment of 1,569 carcinomas of, in Goettigen Clinic during period 1940–1953, 47; observations concerned with carcinoma of, 149; current problems in handling of mammary carcinoma, 150; carcinoma of; results of surgical treatment followed by postoperative x-ray treatment (1931–1945), 150; survival of patients with carcinoma of, 151; efficacy of combined treatment with temporary improvement of patients with endopelvic tumors and tumors of, probably due to anti-anterior-hypophysial action as exemplified by patients with genital tumors, 169; early roentgenologic diagnosis and preoperative irradiation of carcinoma of, 243; early surgical diagnosis and precocious therapy of carcinoma of, with reference to preoperative irradiation treatment, 243; adrenalectomy for cancer of, 244; new therapy for prevention of postoperative recurrences in cancer of, and genital organs; 6 year study of prophylactic thyroid treatment, 309; characteristics of adrenal-dependent cancers of, 309; cystic disease of, 339; problem of prognosis in cancer of, 339; role of simple mastectomy in treatment of carcinoma of, 340; Tailhefer incision for carcinoma of,

340; so-called implantation metastases after operations on carcinoma of, 341; simple mastectomy and radiotherapy in treatment of cancer of, 412; lymph drainage from, to axillary and parasternal lymph nodes, studied with aid of colloidal Au^{198}, 413; plasma cell mastitis; review and report of case, 519; bilateral simultaneous cancer of, 573; three year to forty year survival rates following radical mastectomy for carcinoma of, 573; case of giant myxoma of, or cystosarcoma phylloides, 573; reticulum cell sarcoma of; report of 3 cases, 573; discussion of pathogenesis of venous edema of arm after radical mastectomy, and its importance for surgery, 574; puerperal mastitis in penicillin era; observations on 1,100 cases in city of Leipzig, 596

Breech delivery, Active versus conservative technique in, and prophylactic value of external version in pregnancy, 268; end results of, at Lewis Memorial Maternity Hospital: based on 21 year study, 377

Brenner's tumor and pseudomucinous cystoma or cystic, 170

Bronchi, Clinical survey of adenomas of trachea and, in general hospital, 48; granulation tumors of, 200; experiences with extending indications for use of grafts of trachea and, 342

Burns, Histopathologic changes in experimental thermal wounds, 88; blood protein picture in; pancreas enzyme treatment, 88; 5 year report on treatment of, 89; combined effects of thermal, and whole-body x-irradiation; anemia, 90; postmortem homografts to reduce mortality in extensive; early "biological" closure and saving of patients for permanent healing; use in mass casualties and national disaster, 194; development in plastic surgery, 1905–1955; collective review, 209; anesthetist looks at burned child, 298; management of elderly patient, 299; effect of early excision of experimental, 299; early treatment of extensive, 401; review of hands with, in children, 402; Dellwood fire, 403; chorioretinal, produced by atomic flash, 515; molten plastic injuries of hand; report of 2 cases, 534; fifty years' progress in surgery of hand; collective review, 541; causes of; in children; study of full-thickness, in 457 patients from the North Carolina Orthopedic Hospital, Gastonia, 617

Calcification, Para-articular posttraumatic ossification, 392; familial studies on subject of congenital subchondral disturbances of cartilaginous ossification, 411

Calcium, Acute deposits of, in hand, 300

Calcium gluconate, Effect of intravenous, on posttransfusion hypotension; clinical observations, 399

Calculi, Peritendinitis with, and multiple foci in finger joints of young subject, 304; new method of dissolving, of urinary tract, 379; surgery of kidney: calycectomy, 380; coagulum pyelolithotomy, 599

Cancer, Urology, 1905–1955; collective review, 1; surgical treatment of, of nose, with emphasis on methods of repair, 42; results of treatment in 1,569 cases of breast, in Goettigen Clinic in period 1940–1953, 47; of lung; report of 403 cases, 49; critical review of outlook for patients treated surgically for, of esophagus; report of 5 year survival, 53; simple cervicomediastinal exploration for tissue diagnosis of intrathoracic disease; with comments on recognition of inoperable, of lung, 56; total circulating serum protein in patients with gastric, 57; surgical treatment of, of rectum by "combined synchronized" operation, 61; radiobiologic fundamentals concerned in application of grid in roentgen therapy of, of uterine cervix in advanced stage, 65; advances in control of radium therapy for cervical, 65; results of planned attack on, of vulva, 66; bilateral renal, 71; of thyroid and radiotherapy; Mackenzie Davidson Memorial Lecture, 97; gamma-ray dose in, of thyroid treated by radioiodine, 98; metastatic, of iris and ciliary body, 142; nasopharyngeal, 144; surgical treatment of, of hypopharynx, 144; observations concerned with, of breast, 149; current problems in handling of mammary, 150; of breast; results of surgical treatment followed by postoperative x-ray treatment (1931–1945), 150; survival of patients with, of breast, 151; of colon, 158; experiences of 43 years in 942 cases of, of rectum, 159; fundamentals of indications for extirpation and continence-retaining resection of, of rectum, 160; newer considerations in continence-retaining surgery for, of rectum, 161; epidermoid, of anus and rectum, 161; Bowen's disease of anal region (squamous cell, in situ); report of 3 cases, 162; study of environmental factors in, of cervix, 167; alleviation of pain by chemical means in, of female genital tract, 170; newer approach to management of incurable, by central analgesics, 170; seminiferous, taking origin in testicle retained in inguinal canal (clinical consideration), 178; cells of, in urinary sediment, 181; roentgen appearance of gastric invasion from, of colon, 201; damage to rectum in radium treatment of, of cervix, 204; early roentgenologic diagnosis and preoperative irradiation of mammary, 243; early surgical diagnosis and precocious therapy of mammary; preoperative irradiation treatment, 243; adrenalectomy for breast, 244; diffuse, of stomach and linitis plastica, 252; squamous cell, of anus; results of treatment, 257; clinicostatistical data on cases of fibroma and, of uterus in material received at obstetrical-gynecological clinic of "L. Mangiagalli" of Milan from 1928 to 1952, 261; of cervix uteri treated at American Oncologic Hospital, 1929–1949, 261; extended abdominal hysterectomy with pelvic lymphadenectomy for, of cervix; Okabayashi operation and its improved techniques, 262; radical hysterectomy and pelvic lymphadenectomy; review of 473 cases including 244 for primary invasive, of cervix, 262; primary, of uterine tube, 264; treatment of pelvic, in Philadelphia; review of 1,234 cases, 265; results of experiment in control of, of female pelvic organs and report of 15 year research, 265; use of radioactive cobalt (Co^{60}) in nylon sutures in treatment of, of bladder; preliminary report, 279; cardiopericardial metastases of pulmonary; anatomopathologic and roentgenologic approach on basis of 32 cases, 303; immunologic concept of; preliminary report, 308; new therapy for prevention of postoperative recurrences in genital and breast; 6 year study of prophylactic thyroid treatment, 309; characteristics of adrenal-dependent mammary, 309; discussion on treatment of malignant disease of upper jaw, 327; malignant lesions of nasopharynx, 331; and thyroid nodules; problem in endemic goiter area, 332; borderline malignant lesions of larynx, 332; of larynx, 333; of larynx and its present-day management, 333; problem of prognosis in, of breast, 339; role of simple mastectomy in treatment of, of breast, 340; Tailhefer incision for, of breast, 340; so-called implantation metastases after operations on mammary, 341; primary malignant neoplasms of lung, 346; cytologic diagnosis of bronchial, 346; relative frequency and distribution of histologic types of bronchogenic; study of 670 cases, 346; bronchial, in printers, 347; surgical treatment of lung, found on x-ray survey, 347; results of surgical treatment of primary, of lung, 347; unusual manifestations of, of esophagus, 351; diagnosis of gastric, by means of cytology, 356; experimental observations on etiology of gastric; theoretical analysis of problem, 356; of stomach, 358; complicated, of colon, 362; surgical significance of primary, of liver; analysis of

66 cases and report of unusual case of primary hepatic, 362; of cervix in nulliparous and celibate women, 368; studies on parametrium in, of uterine cervix; histology of parametrium, 368; treatment of endometrial, at Women's Hospital of Basel, 368; primary, of tube; experiences gained from material of Leipzig University Women's Clinic 1937–1953 (29 cases), 369; unusual malignancy in instance of sarcomatoid arrhenoblastoma of ovary, 369; of vulva, 370; perineal biopsy combined with radical retropubic prostatectomy for early, of prostate, 386; simple mastectomy and radiotherapy in treatment of breast, 412; lymph drainage from breast to axillary and parasternal lymph nodes, studied with aid of colloidal Au^{198}, 413; epithelium cuniculatum; variety of squamous, peculiar to foot, 416; of entrance of esophagus; total cervical esophagectomy including larynx; prethoracic ileocolopharyngoplasty in one stage, 521; experimental observations on etiology of gastric; effect of heat, browned overheated fats, food dyes, and carcinogenic hydrocarbons on gastric mucosa, 523; of duodenojejunal angle, 525; observations on, of colon and rectum in Connecticut; analysis based on 5,572 proved cases, 527; specificity or nonspecificity in pathogenesis of, 539; primary malignant tumors of hand, 539; of larynx; 5 year results, with emphasis on radiotherapy, 568; bilateral simultaneous, of breast, 573; 3 year to 40 year survival rates following radical mastectomy for, of breast, 573; observations on epidemiology of lung, 576; gastric tumors other than; report of unusual cases, 581; critical evaluation of radical subtotal gastric resection as definite procedure for antral gastric, 581; environmental factors in cervical; approach to its prevention, 591; conservative treatment of, in situ of cervix; clinical and cytopathologic study, 591; report of 403 cases of, of corpus (1935–1949); staging and therapy, 592; sites of metastases of uterine, 592; 5 year community study of Papanicolaou screening for cervical, 594; epiesophageal, with reference to tumors of postcricoid region, 619; chemotherapy of solid tumors with triethylene thiophosphoramide, 623; evolution of scientific concepts of, 625; implantation of; avoidable surgical risk, 625

Carboxymethyl cellulose, Foreign body granulomas following hysterosalpingography with contrast medium containing, 373

Cardia, Problem of anomalies of hiatus and reflux of; malpositions of fornix and, 200

Cardiospasm, Surgical treatment of, 354

Carotid artery, Surgical treatment of internal thrombosis of, 295; thrombosis of, in neck; development of collateral circulation, 621

Cartilage, Development in plastic surgery, 1905–1955; collective review, 209; familial studies on subject of congenital subchondral disturbances of ossification of, 411; dyschondroplasia and hemangiomas (Maffucci's syndrome), 623

Cataracts, Congenital hereditary, and problems which they pose to obstetrician, 596

Cathepsin and pepsin after gastric resection and gastrectomy, 524

Cathode tube, American radiology—1905 to 1955, 313

Cerebrospinal fluid, Rhinorrhea in closed head injuries, 45

Cervix, Radiobiologic fundamentals concerned in application of grid in roentgen therapy of carcinoma of uterine cervix in advanced stage, 65; advances in control of radium therapy for cancer of, 65; tuberculosis of uterine, 167; study of environmental factors in carcinoma of, 167; reflections apropos to statistics pertaining to 3,327 cases of epithelioma of uterine, treated by radiation from 1919 to 1947 at Curie Foundation, 167; damage to rectum in radium treatment of carcinoma of, 204; carcinoma of, in nulliparous and celibate women, 368; studies on parametrium in carcinoma of uterine; histology of parametrium, 368

Cesarean section, Abuse of, 68; problem of, after consideration of newer indications, 268; childbirth by vaginal route following previous, 377; one thousand, in modern era of obstetrics, 596

Chemotherapy, Results of, in urinary infections, 77

Children, Treatment of juvenile melanomas and malignant melanomas in, 101; ectopic ureterocele in infants and; clinical study, 275; management of bladder neck obstruction in, 278; injuries of urethra in, 280; urinary and fecal incontinence due to congenital abnormalities in; management by transplantation of ureters to isolated ileostomy, 282; spondylolisthesis in, and adolescents, 283; anesthetist looks at burned, 298; accidental injuries in preschool; general survey, 401; review of burned hands in, 402; pediatric surgery, 416; injuries to hand in, 534; causes of burns in; study of full-thickness burns in 457 patients from the North Carolina Orthopedic Hospital, Gastonia, 617

Chin, Development in plastic surgery, 1905–1955; collective review, 209

Cholangitis, Recurrent pyogenic, 164

Cholecystectomy, Subtotal, in acute cholecystitis, 362

Cholesteatoma of middle ear; clinical and roentgenologic study, 199

Chordoma, Sacrococcygeal; its surgical treatment, 624

Circulation, Anesthesia: 50 years of progress; collective review, 105; some hemodynamic effects of Hufnagel operation for aortic regurgitation; studies in models and patient, 153; pulmonic valvular stenosis; results and technique of open valvuloplasty, 154; intravital observations on, in experimental shock and collapse syndrome, 207; metabolic and hemodynamic changes induced by prolonged administration of dextran, 298; effect of exercise on muscle blood flow in normal and sympathectomized limbs; collateral, before and after sympathectomy, 337; preliminary study on peripheral, during deep hypothermia; observations on decreased suspension stability of blood and its prevention, 407; effect on cerebral, and metabolism in man of acute reduction in blood pressure by means of intravenous hexamethonium bromide and head-up tilt, 408; effect of hypothermia on renal, of dog, 409; thrombosis of carotid artery in neck; development of collateral, in 5 cases, 621

Civilians, Assessment of blood loss in trauma of, 535

Clubfoot, Belated treatment of congenital, 186

Cobalt, Use of, with radioactive, (Co^{60}) in nylon sutures in treatment of carcinoma of bladder; preliminary report, 279; combined surgicoradiation management of multiform glioblastoma with radioactive, 336

Colitis, Chronic ulcerative; early and late experiences of 124 patients with ileac stomas, 61; segmental; results of surgery, 585

Collapse, Intravital observations on circulation in experimental shock and syndrome of, 207

Collective review, Urology, 1905–1955, 1; anesthesia: 50 years of progress, 105; summary of development in plastic surgery, 1905–1955, 209; American radiology —1905 to 1955, 313; fifty years of neurosurgery, 1905–1955, 417; fifty years' progress in surgery of hand, 541

Colloids, Distribution and pathology resulting from intracerebral and intraventricular injection of radioactive gold and silver-coated radiogold, 205

Colon, Carcinoma of, 158; roentgen appearance of gastric invasion from carcinoma of, 201; modern techniques in surgery of, 254; subtotal colectomy with ileosigmoidostomy and fulguration of polyps in re-

tained; evaluation as method of treatment of polyposis (adenomatosis) of, 255; complicated cancer of, 362; management of complications of diverticulitis of, 526; treatment of Hirschsprung's disease with entire, involved in aganglionic defect, 527; observations on cancer of, and rectum in Connecticut; analysis based on 5,572 proved cases, 527; congenital multiple polyposis of rectum and, 528; late reconstruction of congenital esophageal atresia by intrathoracic transplantation of, 578

Contrast phase microscopy, Clinical considerations with reference to vaginal cytodiagnosis by means of, 264

Cords, Subcutaneous, on trunk, 538

Cornea, Technique of grafting of, developed in New Zealand, 42; transplantation of; review of 365 operations, 238; late results of penetrating keratoplasty, 238; infections of, after cortisone therapy, 515

Coronary artery, Operations for disease of, 51; 4 years' clinical experience with internal mammary artery implantation in treatment of insufficiency of human, including additional experimental studies, 245; arterialization of coronary sinus in occlusive disease of; coronary flow in dogs with aorticocoronary sinus anastomosis of 6 months' duration, 246

Corpus luteum, Histomorphologic and histochemical aspects of human, after treatment with chorion gonadotropin and prolactin, 169

Corticotropin, Use of cortisone, hydrocortisone, and, in general surgery, 193; uses and abuses of adrenal steroids and, 330

Cortisone, Effects of adrenocorticotropic hormone (ACTH) and, on peptic ulcer; clinical review, 158; use of corticotropin, hydrocortisone, and, in general surgery, 193; effects of adrenocorticotropic hormone (ACTH) and, on peptic ulcer; experimental studies on Mann-Williamson dogs, 253; Harada's disease treated with; report of typical case, 329; corneal infections after therapy with, 515; uses of, in urology, with reference to osteitis pubis, 603

Craniopharyngioma, Fifty years of neurosurgery, 1905–1955; collective review, 417, 455, 466

Cranium, Clinical observations on 900 cases of recent craniocerebral trauma, 335; localization of intracranial lesions by scanning with positron-emitting arsenic, 569

Culmen, Anatomic basis and surgical considerations, 519

Curare, D-tubocurarine antagonist: pyridostigmine (mestinon) or RO 1—5130, 195

Cyclopropane, Anesthesia: 50 years of progress; collective review, 105

Cystoscopes, Urology, 1905–1955; collective review, 1

Cysts, Pericardiocelomic, 152; esophagitis due to, 155; Brenner's tumor and pseudomucinous cystoma or tumor of Brenner with, 170; aneurysmal bone, 203; traumatic implantation, of iris; emphasis on surgical aspects, 239; polycystic kidney; clinical study of 41 cases, 273; surgical treatment of solitary bone, and giant cell tumors, 288; disease of breast, 339; mesenteric, 353; adrenal, 379; diagnosis of abdominal, in infants and children, 410; dermoid, 538; fifty years of neurosurgery, 1905–1955; collective review, 417, 470; congenital, of pericardium, 577; gastric, in mediastinum, 579; study of 7 cases of pancreatic pseudocysts, 589

Deformities, Development in plastic surgery, 1905–1955; collective review, 209

Dextran, Metabolic and hemodynamic changes induced by prolonged administration of, to 8 human subjects, 298

Dextran sulfate, Biological and clinical study of synthetic heparin, 537

Diabetes and pregnancy, 595

Diabetics, Mortality and frequency of large infants in, and prediabetics, 376; causes of fetal mortality and fetal hypertrophy in, and prediabetics, 376

Diagnosis, Exfoliative cytology in, of neoplasms, 101; classification of retroperitoneal tumors as guide in clinical, 260; clinical considerations with reference to vaginal cytodiagnosis by means of contrast phase microscopy, 264; significance of histochemical methods in gynecologic histodiagnosis and cytodiagnosis, 264; hard ray technique in roentgen, 306; cytologic, of bronchial carcinoma, 346; of gastric cancer by means of cytology, 356; procuring of cells by "superficial abrasion" in early, of epithelioma of portio; with introductory remarks referring to cytochemical study of material thus procured, 367; comparative evaluation of colpocytologic examination and titer of urinary steroids in functional gynecologic, 371; fifty years of neurosurgery, 1905–1955; collective review, 417; endobronchial placer mining for neoplastic cells, 522; localization of intracranial lesions by scanning with positron-emitting arsenic, 569; differential, of osteochondritis of hip, 607; significance of shifts in serum protein contents in, of bone tumors, 620

Dialysis, In treatment of uremia: artificial kidney, 182; successful use of simplified method of intermittent peritoneal, 182

Diaphragm, Roentgenologic demonstration and analysis of, and esophageal foramen, 304; hiatus hernia; review of controversial points, 351

Diaphragmatic hernia, Recognition and operative treatment of, 54

Dihydroergotamine, Study of effects of, on intact human uterus; sympatholytic and oxytocic properties, 593

Dislocations, Early treatments of congenital, of hip and results, 291; of carpal scaphoid; report of case, 611; of fifth carpometacarpal joint, 611

Diverticula, Primary, of duodenum, 254

Diverticulitis, Management of complications of, of colon, 526; hemorrhage as complication of, 584

Douglas pouch, Hernia of, 371

Dressings, Fifty years' progress in surgery of hand; collective review, 541

D-tubocurarine, Antagonist to; pyridostigmine (mestinon) or RO 1—5130, 195

Duodenum, Review of diverticula of, 59; reflections on surgical treatment of ulcer of, 59; obstruction of, due to annular pancreas; with differential diagnosis of other congenital lesions producing obstruction of, 202; intramural hematoma of; diagnostic roentgen sign, 202; primary diverticula of, 254; rupture of, due to nonpenetrating abdominal trauma, 525; ulcer of, as occasional etiologic factor in obstructive jaundice, 584; antroduodenectomy and x-ray irradiation in treatment of ulcer of; progress report, 584

Dupuytren's contracture, Fifty years' progress in surgery of hand; collective review, 541

Dysgerminoma (seminoma) of ovary, 369

Dyskinesia, Fifty years of neurosurgery, 1905–1955; collective review, 417

Dystocia, Modern detection of, 171; clinical management of, 266

Ear, Cholesteatoma of middle; clinical and roentgenologic study, 199; development in plastic surgery, 1905–1955; collective review, 209; pathological findings in acute diffuse external otitis, 330; fenestration —past, present, and future, 330

Eclampsia, Evaluation of modern treatments of, 171; clinical study of pre-, 375

Elbow, Ischemic contracture of Volkmann; treatment, 80

Electrolyte therapy in control of uremia; with reference to postobstructive uremia, 77

Elytrocele, Genital prolapse with, 370
Embolectomy, Aortic, 192
Embolism, Therapy of arterial, 83; prophylaxis of fat, by blood pressure reduction, 86; diagnosis of postoperative thromboembolic complications, 297
Emergencies, In urologic surgery, 603; impact of surgery in, on patients with pre-existing disease, 616
Emphysema, Generalized, of deep cellular tissue, 365
Empyema, Is treatment of pleural, in childhood still a problem, 348
Encephalography, Fifty years of neurosurgery, 1905–1955; collective review, 417, 485
Endocrine secretions, Multiple manifestations of, in presence of renal hypernephroma which disappeared following nephrectomy, 274
Endometriosis, Malignant transition in ovarian, 168; management of pelvic, 372; stilbestrol-induced hyperhormonal amenorrhea for treatment of pelvic, 372
Enterocele, Sternocostal; nomenclature, frequency, and roentgenologic findings, 95
Enzymes, Blood protein picture in burns with reference to treatment with pancreatic, 88; attempt at treatment of acute arterial occlusions of extremities with fibrinolytic, 293
Ependymoma, Fifty years of neurosurgery, 1905–1955; collective review, 417, 473
Epididymographies, 76
Epiduritis, Acute spinal, 336
Epilepsy, Fifty years of neurosurgery, 1905–1955; collective review, 417, 421, 480
Epithelioma, Reflections apropos to statistics pertaining to 3,327 cases of, of uterine cervix treated by radiation from 1919 to 1947 at Curie Foundation, 167; procuring of cells by "superficial abrasion" in early diagnosis of, of portio; with introductory remarks with reference to cytochemical study of material thus procured, 367; squamous cell skin tumors of benign character; new clinical form; multiple recurring squamous cell, with tendency toward spontaneous cicatrization, 415
Epithelioma cuniculatum, Variety of squamous carcinoma peculiar to foot, 416
Erythromycin, In trachoma, 41; treatment of trachoma with; preliminary report of 21 cases, 328
Esophagitis, Method of preventing peptic, following esophagogastrostomy; experimental and clinical study, 53; cystic, 155
Esophagus, Critical review of outlook for patients treated surgically for cancer of; report of 5 year survival, 53; conservative and surgical management of benign strictures of, 154; tracheoesophageal fistula not associated with atresia of, 155; problem of atresia of, 247; operative treatment of congenital atresia of, in several stages, 248; intraesophageal ligation of bleeding varices in, 248; unusual manifestations of carcinoma of, 351; use of gastric tube to replace or bypass, 358; diagnosis and treatment of congenital atresia of, 521; cancer of entrance of; total cervical esophagectomy including larynx; prethoracic ileocolopharyngoplasty in one stage, 521; treatment of mediastinal abscesses by slitting of, 522; late reconstruction of congenital atresia of, by intrathoracic colon transplantation, 578
Ether, Anesthesia: 50 years of progress; collective review, 105
Ethylene, Anesthesia: 50 years of progress; collective review, 105
Ewing's tumor, Case of endothelial sarcoma of femur; angioendothelioma, 609
Exophthalmos, Neurofibromatosis and congenital unilateral pulsating and nonpulsating, 237
Experimentation, Histopathologic changes in experimental thermal wounds, 88; renal circulation in experimental hypertension; angiographic and morphologic studies in rabbit, 103; effect of early excision of burns, 299; effect of slow and rapid warming on prolonged chilling and freezing of legs of dogs, 310
Extremities, Bone grafting procedures in, 185; improper healing of fractures of; etiology and treatment, 290; pseudosyringomyelial lesions of lower; interpretation and classification, 537; fibrosarcoma of; review of 45 cases, 626
Eye, Terramycin in trachoma, 41; erythromycin in trachoma, 41; strabismus surgery—monocular or binocular, 41; plasmocytoma of orbit, 42; technique of corneal grafting developed in New Zealand, 42; oxyphenonium (antrenyl) as substitute for atropine clinical study, 42; blindspot mechanism in strabismus; tenth Sanford R. Gifford lecture, 140; siderosis bulbi, 141; iridencleisis in congestive glaucoma, 141; malignant lymphoma with involvement of; clinicopathologic report, 142; role of vitamin A in healing corneal ulcers, 142; metastatic carcinoma of iris and ciliary body, 142; evidence for retinoblastoma induction factor, 142; neurofibromatosis and congenital unilateral pulsating and nonpulsating exophthalmos, 237; ocular changes in acute systemic lupus erythematosis, 237; corneal transplantation; review of 365 operations, 238; late results of penetrating keratoplasty, 238; traumatic implantation cysts of iris; emphasis on surgical aspects, 239; choroidal metastasis of bronchial adenoma; adenoid cystic carcinoma type, 240; note on management of recent fractures of zygoma involving floor of orbit, 327; unilateral paralysis of elevators of supranuclear origin, 328; surgical classification of squints with vertical deviation, 328; treatment of trachoma with erythromycin; preliminary report of 21 cases, 328; status of lenticular opacities caused by atomic radiation; Hiroshima and Nagasaki, Japan, 1951–1953, 329; vascular supply of optic pathway; further studies by microarteriography of optic nerve, 329; Harada's disease treated with cortisone; report of typical case, 329; uses and abuses of adrenal steroids and corticotropin, 330; Vogt-Koyanagi syndrome; precipitated by lens extraction; report of case, 330; corneal infections after cortisone therapy, 515; chorioretinal burns produced by atomic flash, 515; experimental approach to pathogenesis of retrolental fibroplasia; influence of developmental maturity on oxygen-induced changes in mouse eye, 516; treatment of retinoblastoma by radiation and triethylenemelamine, 516; late effects of beta radiation on, 566; gas gangrene panophthalmitis; review of literature; report of new cases, 566; angle closure glaucoma; subacute types, 566; congenital hereditary cataracts and problems which they pose to obstetrician, 596
Eyelid, Method for partial and total reconstruction of upper, 237

Face, Cervicofacial actinomycosis—etiology and diagnosis, 140; unconventional measures in surgery of jaw, 140; technical considerations in surgical treatment of melanoma of, 143; development in plastic surgery, 1905–1955; collective review, 209; method for partial and total upper lid reconstruction, 237
Fat, Prophylaxis of embolism due to, by blood pressure reduction, 86; will emulsions of, given intravenously promote protein synthesis; metabolic studies on normal subjects and surgical patients, 308; experimental observations on etiology of gastric carcinoma; effect of heat, food dyes, carcinogenic hydrocarbons, and browned overheated, on gastric mucosa, 523
Feet, Belated treatment of congenital clubfoot, 186; surgical treatment of postpoliomyelitic pes calcaneus, 187; flat, and neurofibromatosis of Recklinghausen, type Thibierge, 284; bone anomalies of tarsus in rela-

tion to peroneal spastic flat, 284; soft-tissue tumors of sole; with reference to plantar fibromatosis, 285; skin grafts for hairless areas of hands and; preliminary report, 409; epithelioma cuniculatum; variety of squamous carcinoma peculiar to, 416
Femoral canal, Surgical approach to, 157
Femur, Bolting with fibula of juvenile epiphysial separation of head of, 81; roentgen examination of head of, in children and adolescents; standardized technique also suitable for determination of collum-, anteversion-, and epiphysial angles; study of slipped epiphysis and coxa plana, 96; internal architecture of, and its clinical significance; upper end, 284; surgical principles in treatment of coxarthrosis; sleeve prosthesis for head of, 394; case of endothelial sarcoma of, of type of Ewing's angioendothelioma, 609; x-ray appearance and interpretation of bony lesions which occur in metaphysis of tibia and, 609
Fenestration, Past, present, and future, 330
Fetus, Causes of mortality of, and hypertrophy of, in diabetics and prediabetics, 376
Fibroma, Clinicostatistical data on cases of, and carcinoma of uterus in material received at obstetrical-gynecological clinic of "L. Mangiagalli" of Milan, during years from 1928 to 1952, 261; of urinary bladder, 278
Fibrosarcoma of extremities; review of 45 cases, 626
Fibula, Bolting with, of juvenile epiphysial separation of femoral head, 81
Fiftieth anniversary of Surgery, Gynecology and Obstetrics, Urology, 1905–1955, 1; anesthesia: 50 years of progress; collective review, 105; summary of development in plastic surgery, 1905–1955; collective review, 209; American radiology—1905 to 1955; collective review, 313; fifty years of neurosurgery, 1905–1955; collective review, 417; fifty years' progress in surgery of hand; collective review, 541
Film, American radiology—1905 to 1955; collective review, 313
Fingers, Capsulectomy of interphalangeal joints of, 184; primary repair of traumatic digital skeletal losses by phalangeal recession, 286; autograft of amputated digit, 301; peritendinitis calcarea with multiple foci in joints of, of young subject, 304
Fistula, Tracheoesophageal, not associated with esophageal atresia, 155; criticism of conception of placental arteriovenous, 173; treatment of pancreatic, 529
Flaps, Development in plastic surgery, 1905–1955; collective review, 209
Fractures, Treatment of, of os calcis with subtalar disjunction, 81; prognosis and treatment of, of temporal bone, 140; observations on, of head of radius with review of 100 cases, 187; of radial epiphysis associated with, of scaphoid bone; pathogenesis, 188; considerations on treatment of simple and nonunited, of carpal scaphoid, 189; treatment and therapeutic results in 734 recent, simple, of navicular bone of hand, 190; development in plastic surgery, 1905–1955; collective review, 209; further experiences with Phemister bone-grafting procedure, 289; types of, of navicular bone of hand, 289; improper healing of, of extremities; etiology and treatment, 290; surgical treatment of nonunion and delayed union of long bones, 291; temporary external fixation of, of mandible, 326; note on management of recent, of zygoma involving floor of orbit, 327; traumatic avulsion of bladder neck and prostate complicating, of pelvis, 388; bone homograft from osteogenic exostosis, 393; Sudeck's syndrome after, 611
Freezing, Effect of slow and rapid warming on prolonged chilling and, of legs of dogs, 310
Frostbite, Experimental; inquiry into effect of rapid thawing in acute stage, 403
Gallbladder, Main cholanic acids of human bile from normal, and from, associated with cholesterol stones, 63; lipid constituents of bile from human, containing cholesterol gallstones; comparison with normal human bladder bile, 163; tuberculosis of, 362; subtotal cholecystectomy in acute cholecystitis, 362; angioreticulosarcoma of; case report, 363; and biliary tract, 587
Gallstones, Relation of disease with, to angina pectoris, 363
Gangrene, Arteriovenous anastomosis in treatment of, of extremities due to arterial occlusion, 293
Gas gangrene, Panophthalmitis due to; review of literature; report of new cases, 566
Gastrectomy, Reaction of total circulating serum protein to, 57; in acute gastroduodenal perforation; analysis of 112 cases, 581
Gastrointestinal tract, Hemorrhagic telangiectasis of; obscure source of bleeding of, 157; study of recent experimental findings concerning vascular pathogenesis of peptic ulcers, 355; recurrent or persistent peptic ulceration following secondary operations for peptic ulcer; analysis of 11 cases, 355; anatomic approach to problem of massive gastrointestinal hemorrhage, 523; acute massive hemorrhage and acute perforation in peptic ulcer, 524; significance of prepyloric gastric stump and its preservation by subdiaphragmatic fundectomy, 582; discussion on toxic and nutritional disturbances in small intestine associated with surgery of, 583; segmental colitis; results of surgery, 585
Genital organs (female), Efficacy of combined treatment with temporary improvement of patients with endopelvic and mammary tumors probably due to anti-anterior-hypophysial action as exemplified by patients with genital tumors, 169; alleviation of pain by chemical means in female genital tract carcinoma; newer approach to management of incurable carcinoma by central analgesics, 170; histologic and functional study of ovaries conserved after experimental hysterectomy, 264; clinical considerations with reference to vaginal cytodiagnosis by means of contrast phase microscopy, 264; significance of histochemical methods in gynecologic histodiagnosis and cytodiagnosis, 264; results of experiment in control of cancer of female pelvic organs and report of 15 year research, 265; new therapy for prevention of postoperative recurrences in cancer of, and breast; 6-year study of prophylactic thyroid treatment, 309; genital prolapse with elytrocele, 370; arteriography of uterine and adnexal blood vessels, 591; partial colpocleisis; Le Fort procedure; analysis of 100 cases, 593; occurrence and course of tuberculosis of, and pregnancy, 595
Genital organs (male), Epididymographies, 76; spontaneous torsion of ectopic testicle, 76; progress in perineal prostatectomy; results in 2,050 consecutive patients, 281; transcervical prostatectomy; new technique in retropubic approach; preliminary report, 601; retention of testis and its treatment, 602
Genitourinary tract, Clinical forms of tuberculosis of, 179; uses of isolated loop of ileum in surgery of, 389
Geriatrics, Management of burned elderly patient, 299
Glaucoma, Iridencleisis in congestive, 141; angle closure; subacute type, 566
Glioblastoma, Fifty years of neurosurgery, 1905–1955; collective review, 417, 471
Glioma, Fifty years of neurosurgery, 1905–1955; collective review, 417, 473, 474
Goiter, Carcinoma and thyroid nodules; problem in endemic area of, 332; posterior mediastinal; report of 11 cases, 567
Gold #198, Distribution and pathology resulting from intracerebral and intraventricular injection of, and sil-

ver-coated colloids of, 205; new method of treatment of inoperable brain tumors by stereotaxic implantation of, 307; lymph drainage from breast to axillary and parasternal lymph nodes studied with aid of colloidal, 413
Gonadotropin, Histomorphologic and histochemical aspects of human corpus luteum after treatment with chorion, and prolactin, 169
Grafting, Of bone in extremities, 185; place of, of nerves in orthopedic surgery, 571
Grafts, Experimental and clinical studies on arterial homografts and heterografts preserved in alcohol; preliminary report, 84; postmortem homografts to reduce mortality in extensive burns; early biological closure and saving of patients for permanent healing; use in mass casualties and national disaster, 194; development in plastic surgery, 1905–1955; collective review, 209; surgery of bronchi and trachea; experience with pedicled pericardial, of fat for reinforcement, 341; experimental vascular; arterial homograft degeneration, 531; fifty years' progress in surgery of hand; collective review, 541
Granuloblastoma, Gastric; eosinophile, 355
Granulomas, Foreign-body, following hysterosalpingography with contrast medium containing carboxymethyl cellulose, 373; foreign-body, and sarcoidosis; clinical and histopathologic study, 538
Gynecology, Incidence of extragenital interventions observed on operative table in; clinical and anatomopathologic case reports, 373; present-day indications and limitations of hibernotherapy as applied in clinic for obstetrics and, 373

HAND, Treatment and therapeutic results in 734 recent simple fractures of navicular bone of, 190; hydrocortisone as adjunct in treatment of posttraumatic stiffness of, 206; rotary angulatory osteotomy of metacarpal bones in mutilated hands, 286; types of fractures of navicular bone of, 289; acute calcium deposits in, 300; clinical contribution to subject of malformation of thumb fixed in flexion and adduction, 395; review of burned, in children, 402; modern considerations of major infections of, 404; median nerve palsy associated with acute infections of, 404; skin grafts for hairless areas of, and feet; preliminary report, 409; digital arteries of, in Raynaud's disease, 530; injuries to, in children, 534; molten plastic injuries of; report of 2 cases, 534; primary malignant tumors of, 539; fifty years' progress in surgery of; collective review, 541
Head, Surgical management of parotid tumors, 41; cerebrospinal fluid rhinorrhea in closed injuries of, 45; discussion on injuries of, in civil practice, 147; papillary adenocystoma lymphomatosum (Warthin's tumor), 565
Healing, Differences between rates of, of wounds inflicted with short time interval; cutaneous incisions, 101; of disrupted and resutured wound, 103
Heart, Ventricular fibrillation during surgery of, 49; intracardiac surgery under direct vision; closure of atrioseptal defects in dogs using artificial hibernation (hypothermia), 50; surgical correction of mitral insufficiency, 50; changes in pressures in left atrium and pulmonary artery immediately before and after mitral valvuloplasty, 50; pathologic anatomy in morbus caeruleus, 53; study of problem of acardia; personal case of "acardiacus amorphus globosus" with absence of tissues of endodermal derivation and with palpebral malformation in twin, 69; anesthesia: fifty years of progress; collective review, 105; surgical correction of mitral insufficiency by use of pericardial grafts, 152; under artificial hibernation, 197; unaltered penicillin susceptibility of streptococci; study of alpha hemolytic streptococci causing endocarditis, 1944 to 1954, 301; bullet wound of left ventricle, 349; preoperative and postoperative oxygen debt in valvular stenoses, 349; revascularization of muscle of; experimental and histologic results in animals after implantation of internal mammary artery, 350; clinicopathologic study of lung biopsies taken during mitral commissurotomy, 350; results of radical pericardiectomy for constrictive pericarditis; Chairman's address, 350; cardiac arrest; etiologic considerations with reports of 17 cases, 407; cardiac tamponade, 519; limitations of cardiac surgery under hypothermia; experimental study, 520; surgical treatment of chronic pericardial effusion and cardiac tamponade, 520; malignant mediastinal teratoma simulating cardiovascular disease, 579; clinical value of angiocardiography, 613; hiatus hernia, hiatus insufficiency, and cardiac insufficiency, 619
Heel, Functional graft of, 298
Hemangioblastoma, Fifty years of neurosurgery—1905 to 1955; collective review, 417, 472
Hemangioma, Capillary, of skin, 623; dyschondroplasia and, (Maffucci's syndrome), 623
Hematoma, Intramural, of duodenum; diagnostic roentgen sign, 202
Hemorrhage, Massive, from common bile duct caused by indwelling T-tube, 164; so-called idiopathic parenchymatous gastric, 252; from primary disease of mesenteric small intestine; review of literature and analysis of 216 cases, 254; anatomic approach to problem of massive gastrointestinal, 523; acute massive, and acute perforation in peptic ulcer, 524; as complication of diverticulitis, 584; surgical treatment of portal hypertension with consideration of, from varicosity, 586
Hemostasis of prostatic bed after enucleation of cervical adenomas; so-called prostatic hypertrophy; discussion of management, 75
Heparin, Biological and clinical study of synthetic; dextran sulfate, 537
Hepatic artery, Experimental study on collateral circulation after ligation of, 62; ligation of common, in chronic hepatitis of cirrhotic origin; mechanism of action according to results obtained in cirrhosis with anascitic onset, 163; effect of ligation of, on development of collateral circulation in dog, 586
Hepatitis in pregnancy, 595
Hepatoma with recurrence and amyloidosis, 163
Hernia, Recognition and operative treatment of diaphragmatic, 54; roentgenography of hiatus, and hiatus insufficiency, 201; subcostosternal, through foramen of Morgagni; report of case, 251; hiatus; review of controversial points, 351; reinforcement of inguinal ligament for recurrent inguinal, 354; of pouch of Douglas, 371; hiatus, hiatus insufficiency, and cardiac insufficiency, 619
Hexamethonium chloride and apresoline in toxemia of pregnancy; preliminary report, 375
Hiatus, Roentgenography of hernia and insufficiency of, 201; hernia of; insufficiency of, and cardiac insufficiency, 619
Hibernation, Intracardiac surgery under direct vision; closure of atrioseptal defects in dogs using artificial hibernation (hypothermia), 50; artificial hypothermia; definition, results in clinical experiments, and clinical use, 93; anesthesia: fifty years of progress; collective review, 105; hypothermic neuroplegia known as artificial, produced by dihydrogenated derivates of ergot of rye; physiologic study, 195; potentiated anesthesia and artificial, 196; neuroplegia, potentiated narcosis, and controlled hypothermia (pharmacology), 197; heart under artificial, 197
Hidradenoma of perianum, 162

Hip, Roentgen examination of head of femur in children and adolescents; standardized technique also suitable for determination of collum-, anteversion-, and epiphysial angles; study of slipped epiphysis and coxa plana, 96; differential diagnosis of osteochondritis deformans juvenilis (Calvé-Legg-Perthes' disease) and tuberculous coxitis, 283; internal architecture of femur and its clinical significance; upper end, 284; management of tuberculous, 286; arthroplasty of; review of 110 cup and replacement arthroplasties, 287; review of 650 arthroplasty operations, 287; results of 82 osteoplastic shelf operations in, 287; early treatment of congenital dislocations of, and results, 291; treatment of tuberculous coxitis at Orthopedic Clinic Heidelberg-Schlierbach, 394; surgical principles in treatment of coxarthrosis; femoral head sleeve prosthesis, 394; differential diagnosis of osteochondritis of, 607; osteoarthritis of; study of clinical pathology, 607; osteochondritis of acetabulum, 608; use of tomogram after attempted joint fusion, 620

Hirschsprung's disease, Treatment of, with entire colon involved in aganglionic defect, 527

Homografts, Postmortem, to reduce mortality in extensive burns; early biological closure and saving of patients for permanent healing; use in mass casualties and national disaster, 194; development in plastic surgery, 1905–1955; collective review, 209

Homotransplantation, Review of conference on relation of immunology to tissue, 311

Honey, Value of sterile sugar solutions with, in surgery, 615

Hormones, Experimental gastric histamine erosions and ulcers with reference to effect of somatotropic, on their frequency, 157; effects of adrenocorticotropic, (ACTH) and cortisone on peptic ulcer; clinical review, 158

Hyaluronidase, Use of, in prevention and treatment of postoperative peritoneal adhesions; experimental study, 207

Hydergin, Experiences with, in peripheral circulatory disturbances, 85; results of long-continued conservative therapy of peripheral circulatory disturbances with, 191

Hydramnios, Maternal, and congenital anomalies of central nervous system, 597

Hydrocephalus, Fifty years of neurosurgery, 1905–1955; collective review, 417, 445, 450

Hydrocortisone, Use of corticotropin, cortisone, and, in general surgery, 193; as adjunct in treatment of post-traumatic stiffness of hand, 206

Hydronephrosis, Accessory vessels of kidney and their diagnosis in, 203

Hyperparathyroidism, 517; 567

Hypertension, Urology from 1905 to 1955; collective review, 1; 20 years' experience with surgery of, 46; surgical treatment of portal, 258; portal, 586; surgical treatment of portal, with consideration of hemorrhage from varicosity, 586

Hyperthyroidism, Subcutaneous cicatricial sarcoid following operation for, 538

Hypophysectomy, Fifty years of neurosurgery, 1905–1955; collective review, 417, 498

Hypophysis, Alterations of, in toxic pregnancy, 67

Hypotension, Study of liver damage following induced, 102; controlled, 301

Hypothermia, Artificial; definition, results in clinical experiments, and clinical use, 93; prevention of portal death by means of; experimental study, 258; preliminary study on peripheral circulation during deep; observations on decreased suspension stability of blood and its prevention, 407; hypothalamopituitary neurocrinia in course of shock and controlled generalized; experimental study, 408; effect of, on renal circulation in dog, 409; limitations of cardiac surgery under; experimental study, 520

Hysterectomy, Cervical and endometrial lesions in uteri removed because of benign affections of corpus, 261; extended abdominal, with pelvic lymphadenectomy for carcinoma of cervix; Okabayashi operation and its improved technique, 262; radical, and pelvic lymphadenectomy; review of 473 cases including 244 for primary invasive carcinoma of cervix, 262

Ileitis, Reflections on regional; 20 years later, 58

Ileum, Primary malignant tumors of jejunum and, 360; uses of isolated loop of, in genitourinary surgery, 389

Immunity, Concept of cancer with regard to; preliminary report, 308; review of conference on relation of, to tissue homotransplantation, 311

Immunization, Permanence of antitetanus, 92

Incision, Tailhefer, for carcinoma of breast, 340; fifty years' progress in surgery of hand; collective review, 541

Infants, Mortality and frequency of large, in diabetics and prediabetics, 376; perinatal mortality; clinical and pathologic study of factors affecting perinatal death, 378

Infections, Urology from 1905 to 1955; collective review, 1; results of chemotherapy in urinary, 77; local tetanus, 90; treatment of tetanus with curarization, general anesthesia, and intratracheal positive pressure ventilation, 91; results and conclusions of serum titer determination in simultaneous tetanus prophylaxis, 91; permanence of antitetanus immunization, 92; staphylococcal, in general practice, 301; modern considerations of major, of hand, 404; median nerve palsy associated with acute, of hand, 404; bacterial flora of blood stream in Korean battle casualty, 405; bacterial flora of battle wounds at time of primary débridement; study of Korean battle casualty, 405; bacterial flora of healing wounds; study of Korean battle casualty, 405; prophylactic use of sulfonamide powder in aseptic disturbance and, 406; studies on distribution and fate of S 35-labelled benzylpenicillin in body, 406; idiopathic hypogammaglobulinemia and agammaglobulinemia; review of literature and report of case, 414; present-day early care of traumatic wounds, 533; therapy of grave tetanus, 536; fifty years' progress in surgery of hand; collective review, 541; skeletal lesions in coccidioidomycosis, 605; prognosis in acute infectious diseases, 618; cross, of wounds with antibiotic resistant organisms, 618

Injuries, Due to roller and wringer; clinical and experimental studies, 616

Instruments, Urology from 1905 to 1955; collective review, 1

Insufflation, Generalized emphysema of deep cellular tissue, 365

Intervertebral disc, Contrast media to demonstrate degeneration of, including spondylosis deformans, 79; clinical symptoms and operative treatment of acute purulent infections of, 241; sacralization; etiologic factor in lesions of lumbar, and cause of misleading focal signs, 284; experimental studies of lesions of; repair of experimental injuries of, 289; is hernia of, favored by pregnancy; study of 100 operations, 605

Intestines, Reflections on regional ileitis 20 years later, 58; hemorrhage from primary disease of mesenteric small; review of literature and analysis of 216 cases, 254; urinary and fecal incontinence due to congenital abnormalities in children; management by transplantation of ureters to isolated ileostomy, 282; obstruction of, in newborn, 359; congenital atresia of, 360; invagination of Meckel's diverticulum, 361; lymphosarcomas of small, 525; cancers of duodenojejunal angle, 525; obstruction of, resulting from malrotation of, 583; dis-

cussion on toxic and nutritional disturbances in small, associated with surgery of gastrointestinal tract, 583; hemorrhage as complication of diverticulitis, 584
Iodine[131], Gamma-ray dose in carcinoma of thyroid treated by, 98; tumors of thyroid and, 306
Iris, Traumatic implantation cysts of; emphasis on surgical aspects, 239
Iron, Postoperative level of, in serum, 85
Irradiation, Fifty years' progress in surgery of hand; collective review, 541
Isotopes, American radiology—1905 to 1955, 313; fifty years of neurosurgery, 1905–1955; collective review, 417, 499; localization of intracranial lesions by scanning with positron-emitting arsenic, 569

Jaundice, Duodenal ulcer as occasional etiologic factor in obstructive, 584
Jaw, Unconventional measures in surgery of, 140; development in plastic surgery, 1905–1955; collective review, 209; slow-growing tumors of, 326; discussion on treatment of malignant disease of upper, 327; surgical treatment of benign masseteric hypertrophy, 514; evaluation of physiologic result of submandibular-notch ostectomy-condylectomy for prognathism, 514; papillary adenocytoma lymphomatosum (Warthin's tumor), 565
Jejunum, Primary malignant tumors of, and ileum, 360
Joints, Capsulectomy of interphalangeal, of fingers, 184; supination defect of forearm, 203; wedge arthrodesis of wrist, 285; management of tuberculous hip, 286; arthroplasty of hip; review of 110 cup and replacement arthroplastics, 287; review of 650 hip arthroplasty operations, 287; results of 82 osteoplastic shelf operations on hip, 287; means and indications for physicotherapeutic management in instances of posttraumatic rigidity, 391; para-articular posttraumatic ossification, 392; considerations with reference to histopathology of posttraumatic stiffness of knee, 393; surgical principles in treatment of coxarthrosis; femoral head sleeve prosthesis, 394; functional results of arthroereisis, 394; fifty years' progress in surgery of hand; collective review, 541; use of tomogram after attempted fusion of, 620

Keratoplasty, Late results of penetrating, 238
Kidney, Urology, 1905–1955; collective review, 1; plastic operation on huge hydronephrotic, in boy child with only one, 71; bilateral carcinoma of, 71; persistence of ancestral anlagen of, 78; failure of, complicating surgical diseases (laparotomy), with regard to conservative treatment and need for artificial, (dialyser, ultrafilger) in rational renal therapy; acute tubular nephritis, chronic pyelonephritis and prostatic hypertrophy with urinary retention, 86; delayed excretion in urography and its significance, 95; circulation of, in experimental hypertension; angiographic and morphologic studies in rabbit, 103; anesthesia: fifty years of progress; collective review, 105; demonstration of altered tissue mucopolysaccharides in calculus disease of, by selective staining techniques, 175; ion-binding properties of electrophoretically homogeneous mucoproteins of urine in normal subjects and patients with calculous disease of, 175; late results of nephrectomies for lithiasis of, and ureter, 176; problems involved in transplantation of, 176; clinical forms of urogenital tuberculosis, 179; study and management of urologic patients with failure of, 181; dialysis in treatment of uremia; artificial, 182; successful use of simplified method of intermittent peritoneal dialysis, 182; accessory vessels of, and their diagnosis in hydronephrosis, 203; polycystic; clinical study of 41 cases, 273; partial nephrectomy for tuberculosis of; conservative treatment —operation; case of heminephrectomy, 273; multiple endocrine manifestations in presence of hypernephroma of, which disappeared following nephrectomy, 274; irradiation therapy in urology, 275; angiography of, in cases of delayed excretion in intravenous urography, 304; splenorenal anastomosis by transabdominal approach; description of technique with report of 9 cases, 365; surgery of; calycectomy, 380; acute renal failure following angiography; especially risk of repeated examination revealed by 8 cases (2 deaths), 599; coagulum pyelolithotomy, 599; diagnostic errors in study of renal tumors, 600; injury of inferior vena cava during nephrectomy, 600; newer aspects in treatment of acute anuria, 615
Knee, Arthrography and traumatic lesions of, 183; in poliomyelitis, 184; semilunar cartilage lesions and their treatment in light of current practice, 185; considerations with reference to histopathology of posttraumatic stiffness of, 393; cure of tuberculosis of, by wide exposure, 393; therapeutic problems in, paralyzed by poliomyelitis, 609; late results of partial meniscectomy in 82 cases, 610

Labor, Importance of strictly conservative obstetrics in management of third stage of, 68; abuse of cesarean operation, 68; modern dystocia detection, 171; analysis of 56 deaths in 56,456 live births from Margaret Hague Maternity Hospital, 172; use of acetyl methionate of magnesium in obstetrics, 173; use of trilene by midwives, 174; clinical management of dystocia, 266; active versus conservative technique in breech delivery and prophylactic value of external version in pregnancy, 268; problem of cesarean section after consideration of newer indications, 268; anesthesia in modern obstetrics, 269; obstetric anesthesia; Shane-Ashman method in 1,131 deliveries, 270; maternal mortality in Pennsylvania Hospital (Philadelphia Lying-In Hospital); tabular review of maternal deaths from 1929 to 1953, 271; childbirth by vaginal route following previous cesarean section, 377; end results of breech deliveries at Lewis Memorial Maternity Hospital, based on 21 year study, 377; one thousand cesarean sections in modern era of obstetrics, 596; cylindrical uterus in obstetrics, 597
Laminectomy, Clinical and experimental studies on osteoplastic, 396
Larynx, Borderline malignant lesions of, 332; cancer of, 333; carcinoma of, and its present-day management, 333; tracheotomy and its present indications based on experiences at ENT Hospital of University of Heidelberg, 568; cancer of; 5-year results, with emphasis on radiotherapy, 568
Legs, Surgical correction of chronic lymphedema of, 93; development in plastic surgery from 1905 to 1955; collective review, 209; Syme's amputation, 288; hypertensive ischemic ulcer of, 531
Leiomyoma of bladder, 73
Lens, Vogt-Koyanagi syndrome precipitated by extraction of; report of case, 330
Linitis plastica, Diffuse carcinoma of stomach and, 252
Lipoma destruens, 415
Liposarcoma, Study of 105 cases, 101
Lips, Development in plastic surgery from 1905 to 1955; collective review, 209; Axhausen operation for repair of cleft, modified after Hagedorn-LeMesurier principle, 240; reconstruction of lower, 565
Listeriosis, Frequency of, in newborn; investigations at Leipzig University Women's Clinic, 173
Literature, American radiology from 1905 to 1955, 313
Lithiasis, Urology from 1905 to 1955; collective review, 1; late results of nephrectomies for, of kidney and ureter, 176
Liver, Experimental study on collateral circulation after ligation of hepatic artery, 62; study of damage of,

following induced hypotension, 102; anesthesia; fifty years of progress; collective review, 105; portal tension and its dependence on external pressure, 162; demonstration of collateral function of esophageal varices in portal hypertension, 162; ligation of common hepatic artery in chronic hepatitis of cirrhotic origin; mechanism of action according to results obtained in cirrhosis with anascitic onset, 163; hepatoma with recurrence and amyloidosis, 163; contrast depiction of portal circulation following percutaneous transperitoneal splenic puncture, 202; right hepatolobectomy for primary mesenchymoma of, 259; surgical significance of primary carcinoma of; analysis of 66 cases and report of unusual case of primary hepatic carcinoma, 362; bacteriologic studies of human, 529; determination of pressure in portal circulation by catheterization of hepatic veins, 585; portal hypertension, 586; surgical treatment of portal hypertension with consideration of hemorrhage from varicosity, 586; method for determining patency of portacaval and splenorenal shunts, 587; hepatitis in pregnancy, 595

Lumboarthritis and lumbosciatalgia, 183

Lungs, Clinical survey of adenoma of trachea and bronchus in general hospital, 48; pulmonary resection in childhood tuberculosis, 48; carcinoma of; report of 403 cases, 49; simple cervicomediastinal exploration for tissue diagnosis of intrathoracic disease; with comments on recognition of inoperable carcinoma of, 56; technique of, and indications for segmental resection in surgery of, 151; pulmonic valvular stenosis; results and technique of open valvuloplasty, 154; choroidal metastases of bronchial adenoma; adenoid cystic carcinoma type, 240; arteriovenous aneurysm of pulmonary vessels, 244; resection surgery in tuberculosis; complications and after-history, 245; surgery of bronchi and trachea; experience with pedicled pericardial fat graft reinforcement, 341; exchange of gases in acute apnea, 342; pathogenetic concepts of aspects of disease of, 343; asymptomatic isolated nodule of, 344; clinical and pathologic study of bronchial adenomas, 344; primary malignant neoplasms of, 346; cytologic diagnosis of bronchial carcinoma, 346; relative frequency and distribution of histologic types of bronchogenic carcinomas; study of 670 cases, 346; bronchial carcinoma in printers, 347; surgical treatment of cancer of, found on x-ray survey, 347; results of surgical treatment of primary carcinoma of, 347; bronchial anastomosis and bronchoplastic procedures in interest of preservation of tissue of, 348; surgical considerations in pulmonary decortication, 348; clinicopathologic study of biopsies of, taken during mitral commissurotomy, 350; culmen: anatomic basis and surgical considerations, 519; endobronchial placer mining for neoplastic cells, 522; observations on epidemiology of cancer of, 576

Lupus erythematosis, Ocular changes in acute systemic, 237

Lymphedema, Surgical correction of chronic, of legs, 93

Lymphogranuloma venereum, Rectal strictures of; observations from 5 year study of treatment with broad spectrum antibiotics, 256

Lymphoma, Malignant, with ocular involvement; clinicopathologic report, 142

Lymphorrhagia, Traumatic subcutaneous, 90

Lymphosarcomas of small intestines, 525

Magnesium, Thrombosis prophylaxis with, 193

Malformation, Congenital; review, 308; clinical contribution to subject of malformation of thumb fixed in flexion and adduction, 395; affections of acoustic nerve in occipitovertebral, 570

Mandible, Temporary external fixation of fractures of, 326

Masseter, Surgical treatment of benign masseteric hypertrophy, 514

Mastitis, Plasma cell; review and report of case, 519

Meckel's diverticulum, Invagination of, 361

Mediastinum, Venous aneurysms of, 155; tumors and pseudotumors of inferior division of anterior, 248; treatment of abscesses of, by slitting of esophagus, 522; malignant teratoma of, simulating cardiovascular disease, 579; gastric cysts in, 579

Medulloblastoma, Fifty years of neurosurgery: 1905–1955; collective review, 417, 471

Melanomas, Treatment of juvenile, and malignant, in children, 101; technical considerations in surgical treatment of, of face, 143; therapy of, 206; prepubertal malignant; report of 2 cases, 624; malignant; 10-year results following excision and regional gland resection, 625

Meninges, Sarcoma of, with extracranial metastases, 570

Meningioma, Fifty years of neurosurgery, 1905–1955; collective review, 417, 467, 469

Meningoceles of intrathoracic origin, 245

Meniscectomy, Late results of partial, in 82 cases, 610

Meniscus, Semilunar cartilage lesions and their treatment in light of current practice, 185

Menstruation, Rhythmic fluctuations in vegetative system during course of cycle of, 66

Mesenchymoma, Right hepatolobectomy for primary, of liver, 259

Mesentery, Clinical aspects of tumors of, 57; cysts of, 353

Metabolism, Ammonia, in man, 101; changes in, and hemodynamic changes induced by prolonged administration of dextran, 298; will fat emulsions given intravenously promote protein synthesis; studies of, in normal subjects and surgical patients, 308; studies in surgical endocrinology; urinary excretion of 17-hydroxycorticoids and associated changes in, in cases of soft tissue trauma of varying severity and in bone trauma, 311; effect on cerebral circulation and, in man of acute reduction in blood pressure by means of intravenous hexamethonium bromide and head-up tilt, 408

Metastases, Choroidal, of bronchial adenoma; adenoid cystic carcinoma type, 240; cardiopericardial, of pulmonary cancer; anatomopathologic and roentgenologic approach on basis of 32 cases, 303; so-called implantation, after operations on mammary carcinoma, 341; sites of, of uterine carcinoma, 592

Midwives, Use of trilene by, 174

Mitral valves, Surgical correction of insufficiency of, 50; changes in pressures in left atrium and pulmonary artery immediately before and after mitral valvuloplasty, 50; surgical correction of insufficiency of, by use of pericardial grafts, 152

Morbus caeruleus, Pathologic anatomy in, 53

Mortality, Analysis of 56 deaths in 56,456 live births from Margaret Hague Maternity Hospital, 172; maternal, in Pennsylvania Hospital (Philadelphia Lying-In Hospital); tabular review of maternal deaths from 1929 to 1953, 271

Mouth, Primary repair of clefts of palate, 43

Mucopolysaccharides, Demonstration of altered tissue, in renal calculous disease by selective staining techniques, 175

Mucosa, Benign heterotopic tumors of gastric, 581

Multiparas, Grand; ten-year study, 70

Muscle, Anesthesia: fifty years of progress; collective review, 105; factors in traumatic stiffness; notes on experimental physiopathology, 292; observations on healing of ureteral; relationship to intubated ureterotomy, 381; recovery of, in poliomyelitis, 392; experiments with use of steel spiral springs as substitution

for, 397; surgical treatment of benign masseteric hypertrophy, 514
Myasthenia gravis developing acutely after partial removal of thymoma, 579
Myelocele, Follow-up of early operation for, and meningomyelocele on 10 unselected cases, 147
Myxoma, Case of giant, of breast, or cystosarcoma phylloides, 573

NASOPHARYNX, Malignant tumors of; transpalatine surgical excision, 43; nasopharyngeal carcinoma, 144; lymphomas of, and pharynx, 240; malignant lesions of, 331
Neck, Cervicofascial actinomycosis; etiology and diagnosis, 140; synechiae of vocal cords, 145; aryepiglottic folds, 145; vagal body tumor, 518; tracheotomy and its present indications based on experiences at ENT Hospital of University of Heidelberg, 568; anatomic pitfalls in surgical treatment of torticollis, 610; epiesophageal cancer with reference to tumors of postcricoid region, 619
Nerves, Fifty years of neurosurgery, 1905–1955; collective review, 417, 448; fifty years' progress in surgery of hand; collective review, 541; affections of acoustic, in occipitovertebral malformations, 570; place of grafting of, in orthopedic surgery, 571
Nervous system, Rhythmic fluctuations in vegetative system during course of menstrual cycle, 66; newer approach to management of incurable carcinoma by analgesics to central, 170; definitive sympathectomy, 241; Raynaud's disease and its management, 242; hypothalamopituitary "neurocrinia" in course of shock and controlled generalized hypothermia; experimental study, 408; congenital defects in pelvic parasympathetic system, 526; maternal hydramnios and congenital anomalies of central, 597
Neurinoma, Gastric; case report, 252; fifty years of neurosurgery, 1905–1955; collective review, 417, 443, 446, 468
Neurofibromatosis, And congenital unilateral pulsating and nonpulsating exophthalmos, 237; flat foot and, of Recklinghausen, type Thibierge; report of 18 cases, 284
Neuroplegia, "Potentiated narcosis" and "controlled hypothermia" (pharmacology), 197
Neurosurgery, Fifty years of, from 1905 to 1955; collective review, 417; fifty years' progress in surgery of hand; collective review, 541
Newborn, Contribution to study of problem of acardia; personal case of "acardiacus amorphus globosus" with absence of tissues of endodermal derivation and with palpebral malformation in twin, 69; hemolytic disease of; its present status and management, 173; frequency of listeriosis in; investigations at Leipzig University Women's Clinic, 173; role of infant resuscitation team in investigative studies of respiratory onset at birth, 270; atelectasis neonatorum, 271; hypertrophic pyloric stenosis of, 354; intestinal obstruction in, 359; perinatal mortality; clinical and pathologic study of factors affecting perinatal death, 378; exchange transfusion in hemolytic disease of, 378; congenital abnormalities, 414; congenital hereditary cataracts and problems which they pose to obstetrician, 596
Nose, Surgical treatment of cancer of; with emphasis on methods of repair, 42; development in plastic surgery, 1905–1955; collective review, 209; flanged acrylic implant in reconstruction of, 517
Nutrition, Pseudosyringomyelial lesions of lower extremities; interpretation and classification, 537; discussion on toxic and nutritional disturbances in small intestine associated with surgery of gastrointestinal tract, 583

OBSTETRICS, Importance of strictly conservative, in management of third stage of labor, 68; shock; some interdependent problems of coagulation, 69; clinicostatistical remarks on intervention per vaginal route executed in two decades, 168; use of acetyl methionate of magnesium in, 173; present-day indications and limitations of hibernotherapy as applied in clinic for, and gynecology, 373; hypofibrinogenemia and defects of coagulation, 597; pheochromocytoma and obstetrician, 598
Oligodendroglioma, Fifty years of neurosurgery, 1905–1955; collective review, 417, 471
Operation, Urology, 1905–1955; collective review, 1, renal failure complicating surgical diseases (laparotomy), with regard to conservative treatment and need for artificial kidney (dialyser, ultrafilter) in rational renal therapy; acute tubular nephritis, chronic pyelonephritis, and prostatic hypertrophy with urinary retention, 86; anesthesia in poor risk patient, 92; use of corticotropin, cortisone, and hydrocortisone in general surgery, 193; critical re-evaluation of antibiotic therapy in surgery, 194; modern techniques in surgery of colon, 254; diagnosis of thromboembolic complications after, 297; American radiology—1905–1955, 313; incidence of extragenital interventions observed on gynecological table for; clinical and anatomopathologic case reports, 373; rate of body weight loss following surgical stress of uniform intensity, 401; side effects of antibiotics in surgery, 407; pediatric surgery, 416; anesthetist looks at preoperative and postoperative care, 533; value of sterile honey sugar solutions in surgery, 615; impact of emergency surgery on patients with pre-existing disease, 616; implantation of cancer; avoidable surgical risk, 625
Orbit, Plasmocytoma of, 42
Orthopedics, Fifty years' progress in surgery of hand; collective review, 541; place of nerve grafting in, 571
Os calcis, Treatment of fractures of, with subtalar disjunction, 81
Osteitis pubis, Prevention of, in retropubic prostatectomy, 281
Osteoarthritis of hip; study of clinical pathology, 607
Osteochondritis, Differential diagnosis of, of hip, 607; of acetabulum, 608
Osteochondritis deformans juvenilis, Differential diagnosis of, (Calvé-Legg-Perthes' disease) and tuberculous coxitis, 283
Osteomalacia, Multiple symmetric umbau zones (Milkman syndrome) of unusual etiology and location, 283
Ovaries, Malignant transition in endometriosis of, 168; histologic and functional study of, conserved after experimental hysterectomy, 264; dysgerminoma (seminoma) of, 369; unusual malignancy in instance of sarcomatoid arrhenoblastoma of, 369
Oxygen, Preoperative and postoperative debt of, in valvular stenoses, 349; experimental approach to pathogenesis of retrolental fibroplasia; influence of developmental maturity on changes due to, in mouse eye, 516
Oxyphenonium, Antrenyl; substitute for atropine; clinical study, 42

PAIN, Alleviation of, by chemical means in female genital tract carcinoma, 170; lumboarthritis and lumbosciatalgia, 183; fifty years of neurosurgery, 1905-1955; collective review, 417, 486
Palate, Primary repair of cleft, 43; development in plastic surgery, 1905-1955; collective review, 209
Palsy, Median nerve, associated with acute infections of hand, 404
Pancreas, Duodenal obstruction due to annular; with differential diagnosis of other congenital lesions pro-

ducing duodenal obstruction, 202; correlative study of external secretion of, plasma antithrombin titer, blood amylase concentration, and serum mucoprotein level in patients with and without disease of, 259; experimental confirmation of anaphylactic theory of acute necrosis of, 259; annular, 364; treatment of fistulas of, 529; study of 7 cases of pseudocysts of, 589
Pancreatitis, Caudal pancreaticojejunostomy for chronic relapsing, 164; use of human serum albumin in management of acute; experimental and clinical observations, 364; observations pertaining to place of surgery in acute, 365; surgical considerations in management of chronic relapsing, 588
Papanicolaou, Five-year community study of screening by method of, for cervical cancer, 594
Papanicolaou stain, Urology from 1905 to 1955; collective review, 1
Paralysis, Development in plastic surgery from 1905 to 1955; collective review, 209; unilateral, of elevators of supranuclear origin, 328; functional results of arthroereisis, 394
Parametrium, Studies on, in carcinoma of uterine cervix; histology of, 368
Paraplegia, Fifty years of neurosurgery, 1905-1955; collective review, 417, 492
Parasympathetic system, Congenital defects in pelvic, 526
Parathyroid glands, Localization of adenomas of, by arteriography, 303; malignant tumors of, 332; hyperparathyroidism, 517, 567
Parkinson's disease, Fifty years of neurosurgery, 1905-1955; collective review, 417, 471
Parotid gland, Surgical management of tumors of, 41
Pectenosis and its surgical treatment, 585
Pectus excavatum, Conservative treatment of, in young; preliminary report, 149
Pelvis, Treatment of cancer of, in Philadelphia; review of 1,234 cases, 265; management of endometriosis of, 372; stilbestrol-induced hyperhormonal amenorrhea for treatment of endometriosis of, 372; assessment of value of antenatal radiologic pelvimetry based on 500 successive pelvimetric examinations, 375; congenital defects in parasympathetic system of, 526; natural history of tuberculosis of; being material used for eighteenth William Blair-Bell Memorial Lecture, 593
Penicillin, Unaltered susceptibility to, of streptococci; study of alpha hemolytic streptococci causing endocarditis, 1944-1954, 301; studies on distribution and fate of S-35 labelled benzylpenicillin in body, 406; puerperal mastitis in era of; observations on 1,100 cases in Leipzig, 596
Penis, Urology, 1905-1955; collective review, 1
Pepsin, Cathepsin and, after gastric resection and gastrectomy, 524
Pericardiectomy, Results of radical, for constrictive pericarditis; chairman's address, 350
Pericarditis, Surgical treatment of chronic constrictive, 53
Pericardium, Surgical correction of mitral insufficiency by use of grafts from, 152; pericardiocelomic cysts, 152; surgical treatment of chronic effusion from, and cardiac tamponade, 520; congenital cysts of, 577; lymphangiomatous tumors in region of, 577
Peripheral nerves, Fifty years of neurosurgery, 1905-1955; collective review, 417, 464
Peritoneum, Use of hyaluronidase in prevention and treatment of postoperative adhesions of; experimental study, 207; plea for change in attitude towards this membrane, 353
Pharynx, Surgical treatment of carcinoma of hypopharynx, 144; lymphomas of nasopharynx and, 240
Pheochromocytoma, Study of 15 cases diagnosed at autopsy, 71; report of 2 cases with review of diagnostic tests, 175; instance of extrasuprarenal, seated in mesentery, 379; and obstetrician, 598
Phlebography, Technique of ascending, of lower extremity, 411
Physics, American radiology—1905 to 1955, 313
Physiology, Anesthesia: fifty years of progress; collective review, 105
Physiotherapy, Means and indications for physicotherapeutic management in instances of posttraumatic rigidity, 391
Pinealoma, Fifty years of neurosurgery, 1905-1955; collective review, 417, 469
Pituitary gland, Fifty years of neurosurgery, 1905-1955; collective review, 417, 439, 465
Placenta, Premature separation of, 67; criticism of conception of arteriovenous fistula of, 173; abruptio placentae with hypofibrinogenemia; suggested management; reports of cases, 595
Plasma, Therapy of surgical shock with whole blood and several substitutes of blood, 85; physiologic and pathologic effects of long term polyvinylpyrrolidone retention, 207; theoretical consideration of spread of hepatitis virus by transfusions of, 532
Plastic surgery, Urology, 1905-1955; collective review, 1; on huge hydronephrotic kidney in boy child with only one kidney, 71; surgical correction of chronic lymphedema of legs, 93; summary of development in, from 1905 to 1955; collective review, 209; Axhausen operation for cleft lip repair modified after Hagedorn-LeMesurier principle, 240; functional graft of heel, 298; effect of early excision of experimental burns, 299; autograft of amputated digit, 301; experimental and clinical investigation of effect of low temperature on viability of excised skin, 310; review of conference on relation of immunology to tissue homotransplantation, 311; modern progress of, 409; skin grafts for hairless areas of hands and feet; preliminary report, 409; flanged acrylic implant in nasal reconstruction, 517; fifty years' progress in surgery of hand; collective review, 541; reconstruction of lower lip, 565
Pleura, Is treatment of empyema of, in childhood still a problem, 348
Pneumoventriculography, Fifty years of neurosurgery, 1905-1955; collective review, 417, 444
Poliomyelitis, Knee in, 184; surgical treatment of pes calcaneus after, 187; muscle recovery in, 392; therapeutic problems in knee paralyzed by, 609
Polyposis, Subtotal colectomy with ileosigmoidostomy and fulguration of, in retained colon; evaluation as method of treatment of, (adenomatosis) of colon, 255; congenital multiple, of rectum and colon, 528
Polyvinylpyrrolidone, Physiologic and pathologic effects of long term retention of, 207
Portal vein, Prevention of death due to ligation of, by means of hypothermia; experimental study, 258; surgical treatment of portal hypertension, 258
Potter-Bucky diaphragm, American radiology—1905 to 1955, 313
Pregnancy, Hypophysial alterations in syndrome of toxic, 67; premature separation of placenta, 67; evaluation of modern treatments of eclampsia, 171; thromboembolic disease complicating, and puerperium, 172; pelvic arteriography as diagnostic procedure in early intrauterine, and tubal, 266; assessment of value of antenatal radiologic pelvimetry based on 500 successive examinations, 375; clinical study of preeclampsia, 375; hexamethonium chloride and apresoline in toxemia of; preliminary report, 375; fibrinogenopenia complicating; clinical and laboratory studies, 376; mortality and frequency of large infants in diabetics and prediabetics, 376; causes of fetal mortality and fetal hypertrophy in diabetics and prediabetics, 376; hepatitis in, 595; occurrence and course

of genital tuberculosis and, 595; diabetes and, 595; abruptio placentae with hypofibrinogenemia; suggested management; reports of cases, 595; is hernia of intervertebral disc favored by; study of 100 operations, 605
Prognathism, Evaluation of physiologic result from submandibular-notch ostectomy: condylotomy for, 514
Prognosis in acute infectious diseases, 618
Prolactin, Histomorphologic and histochemical aspects of human corpus luteum after treatment with chorion gonadotropin and, 169
Prolapse, Twelve cases of, of rectum treated by Roscoe Graham operation, 255
Prostatectomy, Study of anesthesia in 1,176 cases of transurethral, 177; progress in perineal; results in 2,050 consecutive patients, 281; prevention of osteitis pubis in retropubic, 281; total retropubic, 387; transcervical; new technique in retropubic approach; preliminary report, 601; incidence and type of bacteremia at time of various procedures of, 602
Prostate gland, Urology from 1905 to 1955; collective review, 1; recent anatomic and physiologic facts regarding, and vesical outlet, and their significance for operative intervention, 72; hemostasis of bed of, after enucleation of cervical adenomas; so-called hypertrophy of, 75; treatment of obstruction of, by means of transurethral endoscopic surgery, 385; present status of transvesical adenectomy of, 386; perineal biopsy combined with radical retropubic prostatectomy for early carcinoma of, 386; traumatic avulsion of bladder neck and, complicating fractures of pelvis, 388
Prostheses, Development in plastic surgery from 1905 to 1955; collective review, 209; use of rigid and flexible plastic, for arterial replacement, 294
Protein, Total circulating serum, in patients with gastric carcinoma, 57; reaction of total circulating serum, to gastrectomy, 57; picture of blood in burns, with reference to pancreatic enzyme treatment, 88; will fat emulsions given intravenously promote synthesis of; metabolic studies on normal subjects and surgical patients, 308
Psychosurgery, Fifty years of neurosurgery, 1905–1955; collective review, 417, 493
Pubes, Uses of cortisone in urology, with reference to osteitis of, 603
Puerperium, Thromboembolic disease complicating pregnancy and, 172; mastitis during, in penicillin era; observations on 1,100 cases in Leipzig, 596
Pulmonary artery, Surgery of infundibular stenosis of, with intact ventricular septum; type of "pure" stenosis of, 54
Pylorus, Hypertrophic stenosis of, of newborn, 354

RADIATION, Present status of problem of resistance to, 99; development in plastic surgery, 1905–1955; collective review, 209; status of lenticular opacities caused by atomic; Hiroshima and Nagasaki, Japan—1951 to 1953, 329; chorioretinal burns produced by atomic flash, 515; late effects of beta, on eye, 566
Radioactivity, Tumors of thyroid, and iodine with, 306; new method of treatment of inoperable brain tumors by stereotaxic implantation of gold with; preliminary report, 307; American radiology from 1905 to 1955, 313; combined surgicoradiation management of multiform glioblastoma with cobalt^{60}, 336; lymph drainage from breast to axillary and parasternal lymph nodes, studied with aid of colloidal Au^{198}, 413; trial of new treatment of inoperable cerebral tumors; placement of gold with, by stereotaxis, 569
Radiology, American, from 1905 to 1955, 313
Radiopaque media, Fate of, injected into cancellous bone of extremities, 391
Radium, Advances in control of therapy with, for cervical cancer, 65; gamma-ray dose in carcinoma of thyroid treated by radioiodine, 98; reflections apropos statistics pertaining to 3,327 cases of epithelioma of uterine cervix treated by radiation from 1919 to 1947 at Curie Foundation, 167; damage to rectum in treatment of carcinoma of cervix with, 204; American radiology from 1905 to 1955, 313; report of 403 cases of carcinoma of corpus (1935–1949); contribution concerning staging and therapy, 592
Radius, Observations on fractures of head of, with review of 100 cases, 187; fracture of epiphysis of, associated with fracture of scaphoid bone; pathogenesis, 188
Radon, Treatment of malignant tumors of bladder; irradiation therapy, 177; experience with implantation of seeds of, for bladder tumors; comparison of results with other forms of treatment, 383
Raynaud's disease, And its management, 242; digital arteries of hands in, 530; surgical treatment of, of upper extremity, 571
Rectum, Surgical treatment of cancer of, by combined synchronized operation, 61; anesthesia: fifty years of progress; collective review, 105; experiences of 43 years in 942 cases of carcinoma of, 159; fundamentals of indications for extirpation and continence-retaining resection of carcinoma of, 160; newer considerations in continence-retaining surgery for carcinoma of, 161; epidermoid carcinoma of anus and, 161; damage to, in radium treatment of carcinoma of cervix, 204; 12 cases of prolapse of, treated by Roscoe Graham operation, 255; strictures of lymphogranuloma venereum in; 5-year study of treatment with broad spectrum antibiotics, 256; management of accidental injuries and deliberate resections of ureter during excision of, 256; cancer of colon and, in Connecticut; analysis based on 5,572 proved cases, 527; congenital multiple polyposis of, and colon, 528
Resistance, Present status of problem of radiation, 99
Respiration, Functional re-education of, in thoracic surgery center, 342
Respiratory tract, Acute obstruction of upper, 334; tracheobronchial stenosis following nonpenetrating chest injuries, 351; sleeve resections of trachea; experimental studies on regenerative capacity and principles of reconstruction and repair, 575
Resuscitation, Anesthesia: fifty years of progress; collective review, 105; role of team for, of infants in investigative studies of respiratory onset at birth, 270
Retinoblastoma, Evidence for induction factor of, 142; treatment of, by radiation and triethylenemelamine, 516
Rhinorrhea, Cerebrospinal fluid, in closed head injuries, 45
Roentgen irradiation, Combined effects of thermal burns and whole body; anemia, 90; tumor problems; treatment of malignant tumors with, of diencephalon, 98; radiosensitive tumors, 98
Roentgenography, Urology from 1905 to 1955; collective review, 1; epididymographies, 76; relationship between third ventricle and basilar artery, 95; sternocostal enterocele; nomenclature, frequency, and roentgenologic findings, 95; ascariasis of biliary tract; roentgenologic demonstration, 95; delayed excretion in urography and its significance, 95; of head of femur in children and adolescents; standardized technique also suitable for determination of collum-, anteversion-, and epiphysial angles; study of slipped epiphysis and coxa plana, 96; vascular occlusions in light of carotid and vertebral angiogram, 96; angiographically diagnosed glomus tumor of thigh, 97; cancer of thyroid and radiotherapy; Mackenzie Davidson Memorial Lecture, 97; venous aneurysms of medias-

tinum, 155; arthrography and traumatic lesions of knee joint, 183; venography clues to localization of intracranial masses, 199; cholesteatoma of middle ear; clinical and roentgenologic study, 199; spinal cord damage in abdominal aortography, 199; granulation tumors of bronchus, 200; problem of anomalies of hiatus and reflux of cardia; cardia-fornix malpositions, 200; of hiatus hernia and hiatus insufficiency, 201; of gastric invasion from carcinoma of colon, 201; duodenal obstruction due to annular pancreas; with differential diagnosis of other congenital lesions producing duodenal obstruction, 202; intramural hematoma of duodenum; diagnostic roentgen sign, 202; contrast depiction of portal circulation following percutaneous transperitoneal splenic puncture, 202; aneurysmal bone cysts, 203; supination defect of forearm, 203; angiographic contributions to problem of origin of vascular disease and disturbances of blood supply with reference to terminal circulatory passages, 204; early diagnosis by, and preoperative irradiation of mammary carcinoma, 243; early surgical diagnosis and precocious therapy of mammary carcinoma with reference to preoperative irradiation, 243; pelvic arteriography as diagnostic procedure in early intrauterine pregnancy and tubal pregnancy, 266; sudden death as result of entrance of contrast medium for, into circulation through perforation of urethra, 281; localization of parathyroid adenomas by arteriography, 303; cardiopericardial metastases of pulmonary cancer; anatomopathologic and roentgenologic approach on basis of 32 cases, 303; demonstration by, and analysis of diaphragm and esophageal foramen, 304; renal angiography in cases of delayed excretion in intravenous urography, 304; percutaneous angiography with reference to peripheral vessels, 305; hard ray technique in diagnosis by, 306; American radiology—1905 to 1955, 313; growth of intrathoracic strumas and its clinical importance, 344; surgical treatment of lung cancer found on x-ray survey, 347; foreign-body granulomas following hysterosalpingography with contrast medium containing carboxymethyl cellulose, 373; assessment of value of antenatal pelvimetry based on 500 successive pelvimetric examinations, 375; diagnosis of abdominal cysts in infants and children, 410; familial studies on subject of congenital subchondral disturbances of cartilaginous ossification, 411; technique of ascending phlebography of lower extremity, 411; results attained in study of technique of roentgenologic enlargements with new smallest focus tube for image magnifications greater than 2 to 1, 412; fifty years of neurosurgery, 1905–1955; collective review, 417, 485; pathogenesis of injury due to contrast media in cerebral angiography and its avoidance, 569; discussion of pathogenesis of venous edema of arm after radical mastectomy and its importance for surgery, 574; arteriography of uterine and adnexal blood vessels, 591; acute renal failure following angiography; especially risk of repeated examination revealed by 8 cases (2 deaths), 599; dangers of urethrography, 601; appearance and interpretation of bony lesions which occur in metaphysis of tibia and femur, 609; clinical value of angiocardiography, 613; epiesophageal cancer with reference to tumors of postcricoid region, 619; hiatus hernia, hiatus insufficiency, and cardiac insufficiency, 619; use of tomogram after attempted joint fusion, 620; thrombosis of carotid artery in neck; development of collateral circulation, 621

Roentgen rays, American radiology from 1905 to 1955, 313

Roentgen therapy, Radiobiological fundamentals concerned in application of grid in, of carcinoma of uterine cervix in advanced stage, 65; current problems in handling of mammary carcinoma, 150; carcinoma of breast; results of surgical treatment followed by postoperative, (1931–1945), 150; treatment of malignant tumors of bladder, 177; in urology; of kidney, 275; peritendinitis calcarea with multiple foci in finger joints of young subject, 304; American radiology from 1905 to 1955, 313; simple mastectomy and radiotherapy in treatment of breast cancer, 412; treatment of retinoblastoma by radiation and triethylenemelamine, 516; antroduodenectomy and x-ray irradiation in treatment of duodenal ulcer; progress report, 584

Sacrum, Sacrococcygeal chordoma; its surgical treatment, 624

Sarcoid, Subcutaneous cicatricial, following operation for hyperthyroidism, 538

Sarcoidosis, Foreign-body granulomas and; clinical and histopathologic study, 538

Sarcoma, Recent trends in treatment of osteosarcomas, 82; liposarcoma; study of 105 cases, 101; of uterus, 262; meningeal, with extracranial metastases, 570; reticulum cell, of breast; report of 3 cases, 573; case of endothelial, of femur of type of Ewing's angioendothelioma, 609

Scaphoid bone, Fracture of radial epiphysis associated with fracture of; pathogenesis, 188

Scars, Development in plastic surgery from 1905 to 1955; collective review, 209; subcutaneous cicatricial sarcoid following operation for hyperthyroidism, 538

Sciatica, Vertebral syndrome of Putti, 183

Serum, Postoperative iron level in, 85; results and conclusions of determination of titer of, in simultaneous tetanus prophylaxis, 91; significance of shifts in protein contents of, in diagnosis of bone tumors, 620

Shock, Obstetric; some interdependent problems of coagulation, 69; therapy of surgical, with whole blood and several blood plasma substitutes, 85; intravital observations on circulation in experimental, and collapse syndrome, 207; physiologic and pathologic effects of long-term polyvinylpyrrolidone retention, 207; hypothalamopituitary "neurocrinia" in course of, and controlled generalized hypothermia; experimental study, 408; clinical experiences in early management of most severely injured battle casualties, 535

Siderosis bulbi, 141

Skin, Development in plastic surgery, 1905–1955; collective review, 209; experimental and clinical investigation of effect of low temperature on viability of excised, 310; squamous cell tumors of, of benign character; new clinical form; multiple recurring squamous cell epitheliomas with tendency to spontaneous cicatrization, 415; dermoid cysts, 538; capillary hemangiomas of, 623

Skull, Development in plastic surgery: 1905 to 1955; collective review, 209

Smoking, Observations on epidemiology of lung cancer, 576

Societies (radiologic), American radiology from 1905 to 1955, 313

Specialist, Anesthesia: fifty years of progress; collective review, 105

Sphincter of Oddi, Evaluation of dilatation of, 587

Spinal anesthesia, Hypotensive; respiratory metabolic, hepatic, renal, and cerebral effects, 92

Spinal cord, Tumors of, 147; damage in abdominal aortography, 199; acute epiduritis of, 336; early diagnosis of tumors of, 337; fifty years of neurosurgery, 1905–1955; collective review, 417, 460

Spine, Contrast media to demonstrate degeneration of intervertebral disc including spondylosis deformans, 79; diagnosis of tumors of vertebrae, 80; follow-up of early operation for myelocele and meningomyelocele

on 10 unselected cases, 147; vertebral syndrome of Putti, 183; lumboarthritis and lumbosciatalgia, 183; clinical symptoms and operative treatment of acute purulent infections of intervertebral disc, 241; spondylolisthesis in children and adolescents, 283; sacralization; etiologic factor in lumbar intervertebral disc lesions and cause of misleading focal signs, 284; experimental studies of intervertebral disc lesions; repair of experimental intervertebral disc injuries, 289; clinical and experimental studies on osteoplastic laminectomy, 396; fifty years of neurosurgery, 1905–1955; collective review, 417, 423; is hernia of intervertebral disc favored by pregnancy; study of 100 operations, 605; ossification of vertebra, 606; spondylolisthesis, 606; whiplash injury of lumbar neural arch, 611

Spleen, Traumatic rupture of normal; experimental study concerning mechanics of its genesis, 63; contrast depiction of portal circulation following percutaneous transperitoneal puncture of, 202; splenorenal anastomosis by transabdominal approach; description of technique with report of 9 cases, 365

Splinting, Fifty years' progress in surgery of hand; collective review, 541

Spondylolisthesis, 606; in children and adolescents, 283

Springs, Experiments with use of steel spiral, as substitution for muscles, 397

Staphylococcus, Infections due to, in general practice, 301

Stereotaxis, Fifty years of neurosurgery, 1905–1955; collective review, 417, 460; trial of new treatment of inoperable cerebral tumors; placement of radioactive gold by, 569

Stomach, Total circulating serum protein in patients with carcinoma of, 57; cardiovascular and blood volume alterations resulting from intrajejunal administration of hypertonic solutions to gastrectomized patients; relationship of these changes to dumping syndrome, 57; experimental gastric histamine erosions and ulcers, with reference to effect of somatotropic hormone on their frequency, 157; partial gastrectomy with or without vagus resection for duodenal or marginal ulcer, 158; problem of anomalies of hiatus and reflux of cardia; cardia-fornix malpositions, 200; roentgen appearance of gastric invasion from carcinoma of colon, 201; physiology of gastric antrum; experimental studies on isolated antrum pouches in dogs, 251; so-called idiopathic parenchymatous hemorrhage of, 252; neurinoma of; case report, 252; diffuse carcinoma of, and linitis plastica, 252; treatment of perforated gastroduodenal ulcers by emergency resection of, 252; surgical treatment of cardiospasm, 354; hypertrophic pyloric stenosis of newborn, 354; gastric granuloblastoma: eosinophile, 355; diagnosis of gastric cancer by means of cytology, 356; experimental observations on etiology of gastric carcinoma; theoretical analysis of problem, 356; carcinoma of, 358; use of gastric tube to replace or by-pass esophagus, 358; experimental observations on etiology of carcinoma of; effect of heat, browned overheated fats, food dyes, and carcinogenic hydrocarbons on gastric mucosa, 523; cathepsin and pepsin after resection of, and gastrectomy, 524; gastric cysts in mediastinum, 579; benign heterotopic tumors of gastric mucosa, 581; tumors of, other than carcinoma; report of unusual cases, 581; gastrectomy in acute gastroduodenal perforation; analysis of 112 cases, 581; critical evaluation of radical subtotal gastric resection as definite procedure for antral gastric carcinoma, 581; significance of prepyloric gastric stump and its preservation by subdiaphragmatic fundectomy, 582

Strabismus, Surgery of; monocular or binocular, 41; blindspot mechanism in; tenth Sanford R. Gifford Lecture, 140; surgical classification of squints with vertical deviation, 328

Streptococcus, Unaltered penicillin susceptibility of; study of alpha hemolytic, causing endocarditis—1944 to 1954, 301

Strumas, Growth of intrathoracic, and its clinical importance, 344

Sudeck's syndrome, Pathogenesis, symptomatology and therapy of, 206; disturbances of sweat secretion in, 414; pathogenesis of, 605; after fractures, 611

Sulfonamide, Aseptic disturbance and infection by prophylactic use of, 406

Sweat, Disturbance of secretion of, in Sudeck's syndrome, 414

Sympathectomy, Definitive, 241; effect of exercise on muscle blood flow in normal limbs and limbs subjected to; collateral circulation before and after sympathectomy, 337

Sympathetic nerves, Reoperation on lumbar sympathetic chain, 46; twenty years' experience with surgery of hypertension, 46

Tannic acid, Development in plastic surgery, 1905–1955; collective review, 209

Tattooing, Development in plastic surgery, 1905–1955; collective review, 209

Teaching, American radiology from 1905 to 1955, 313

Telangiectasis, Hemorrhagic, of gastrointestinal tract; obscure source of gastrointestinal bleeding, 157

Temporal bone, Prognosis and treatment of fractures of, 140; multiple areas of necrosis and anaplerosis throughout; histologic study of 2 cases, 240

Tendon, Transplantation of posterior tibial, 186; fifty years' progress in surgery of hand; collective review, 541

Teratoma, Malignant mediastinal, simulating cardiovascular disease, 579

Terramycin in trachoma, 41

Testis, Urology, 1905 to 1955; collective review, 1; spontaneous torsion of ectopic, 76; seminiferous carcinoma taking origin in, retained in inguinal canal; clinical consideration, 178; classification of tumors of; clinical and pathological study based on 105 primary and 13 secondary cases in adults and 3 primary and 4 secondary cases in children, 387; tumors of cryptorchidic, 388; retention of, and its treatment, 602

Tetanus, Local, 90; treatment of, with curarization, general anesthesia, and intratracheal positive pressure ventilation, 91; results and conclusions of serum titer determination in simultaneous prophylaxis of, 91; permanence of antitetanus immunization, 92; therapy of grave, 536

Thigh, Angiographically diagnosed glomus tumor of, 97

Thorax, Simple cervicomediastinal exploration for tissue diagnosis of intrathoracic disease; with comments on recognition of inoperable carcinoma of lung, 56; anesthesia: fifty years of progress; collective review, 105; conservative treatment of pectus excavatum in young; preliminary report, 149; meningoceles of intrathoracic origin, 245; tumors and pseudotumors of inferior division of anterior mediastinum, 248; functional re-education of respiration in thoracic surgery center, 342; asymptomatic isolated pulmonary nodule, 344; growth of intrathoracic strumas and its clinical importance, 344; bronchial anastomosis and bronchoplastic procedures in interest of preservation of lung tissue, 348; surgical considerations in pulmonary decortication, 348; tracheobronchial stenosis following nonpenetrating injuries of, 351

Thromboembolism in pregnancy and puerperium, 172

Thrombokinase, Hemostatic action of, 103

Thrombosis, Traumatic arterial spasm and, 83; prophylaxis of, with magnesium, 193; surgical treatment of

internal carotid, 295; diagnosis of postoperative thromboembolic complications, 297; of carotid artery in neck; development of collateral circulation, 621

Thumb, Clinical contribution to subject of malformation of, fixed in flexion and adduction, 395; fifty years' progress in surgery of hand; collective review, 541

Thymoma, Myasthenia gravis developing acutely after partial removal of, 579

Thyroid, New therapy for prevention of postoperative recurrence in genital and breast cancer; 6-year study of prophylaxis with, 309

Thyroid gland, Cancer of, and radiotherapy; Mackenzie Davidson Memorial Lecture, 97; gamma-ray dose in carcinoma of, treated by radioiodine, 98; tumors of, and radioactive iodine, 306; postoperative crisis of hyperthyroidism, 331; carcinoma and nodules of; problem in endemic goiter area, 332; posterior mediastinal goiter; report of 11 cases, 567

Tibia, Pathogenesis of anterior syndrome of, 82; transplantation of posterior tendon of, 186; bone homograft from osteogenic exostosis, 393; x-ray appearance and interpretation of bony lesions which occur in metaphysis of, and femur, 609

Tongue, Development in plastic surgery, 1905-1955; collective review, 209

Tonsillectomy, Bacteremia following; effect of preoperative treatment with antibiotics in postoperative bacteremia and bacterial content of tonsils, 331

Torticollis, Study of anatomic pitfalls in surgical treatment of, 610

Trachea, Clinical survey of adenomas of, and bronchus in general hospital, 48; acute obstruction of upper respiratory tract, 334; traumatic rupture of, 341; surgery of bronchi and; experience with pedicled pericardial fat graft reinforcement, 341; experiences with extending indications for use of grafts of, and bronchi, 342; sleeve resections of; experimental studies on regenerative capacity and principles of reconstruction and repair, 575

Tracheotomy and its present indications based on experiences at ENT Hospital of University of Heidelberg, 568

Trachoma, Terramycin in, 41; erythromycin in, 41; treatment of, with erythromycin; preliminary report of 21 cases, 328

Traffic accidents from surgeon's viewpoint, 88

Transfusions, Prevention of accidents in blood, 295; natural history and management of hemolytic reactions to, 296; exchange, in hemolytic disease of newborn, 378; theoretical consideration of spread of hepatitis virus by plasma, 532; studies on stored blood; relationship of its biologic properties and indications for, to those of whole blood, 614

Trauma, Closed abdominal injuries, 64; traffic accidents from surgeon's viewpoint, 88; subcutaneous lymphorrhagia due to, 90; head injuries in civil practice, 147; arthrography and lesions of knee joint, 183; semilunar cartilage lesions and their treatment in light of current practice, 185; hydrocortisone as adjunct in treatment of stiffness of hand following, 206; development in plastic surgery, 1905-1955; collective review, 209; primary repair of traumatic digital skeletal losses by phalangeal recession, 286; muscular factors in stiffness after; notes on experimental physiopathology, 292; studies in surgical endocrinology; urinary excretion of 17-hydroxycorticoids and associated metabolic changes in cases of soft tissue, of varying severity and in bone, 311; assessment of blood loss in civilian, 535

Triethylene thiophosphoramide, Chemotherapy of solid tumors with, 623

Trigeminal neuralgia, Fifty years of neurosurgery, 1905-1955; collective review, 417, 426, 433, 455

Trilene, Use of, by midwives, 174

Trunk, Subcutaneous cords on, 538

Tuberculosis, Urology, 1905-1955; collective review, 1; pulmonary resection in childhood, 48; observations on course of skeletal, when under treatment with antituberculous medication, 79; of uterine cervix, 167; clinical forms of urogenital, 179; ocular changes in acute systemic lupus erythematosis, 237; resection surgery in; complications and after-history, 245; partial nephrectomy for, of kidney; conservative treatment; operation; case of heminephrectomy, 273; contributions to differential diagnosis of osteochondritis deformans juvenilis (Calvé-Legg-Perthes' disease) and coxitis due to, 283; management of hip joint with, 286; of gallbladder, 362; comparative studies and deductions with reference to results of medical therapy in group of patients with, of urinary passages, 388; cure of, of knee by wide exposure, 393; treatment of coxitis due to, at Orthopedic Clinic Heidelberg-Schlierbach, 394; intrauterine symphysis due to; characteristic anatomical, clinical, and radiological syndrome, 591; natural history of pelvic; being material used for eighteenth William Blair-Bell Memorial Lecture, 593; occurrence and course of genital, and pregnancy, 595

Tumors, Urology, 1905-1955; collective review, 1; malignant, of nasopharynx; transpalatine surgical excision, 43; heredity of, in, of breast, 47; clinical aspects of, of mesentery, 57; diagnosis of, of vertebrae, 80; angiographically diagnosed glomus, of thigh, 97; problem of; with reference to treatment of malignant, with roentgen irradiation of diencephalon, 98; radiosensitive, 98; exfoliative cytology in diagnosis of, 101; of spinal cord, 147; surgical treatment of retroperitoneal, 166; efficacy of combined treatment with temporary improvement of patients with endopelvic and mammary, probably due to antianterior-hypophysial action as exemplified by patients with genital, 169; Brenner's, and pseudomucinous cystoma or cystic, of Brenner, 170; treatment of malignant, of bladder; irradiation therapy, 177; granulation, of bronchus, 200; therapy of melanomas, 206; and pseudotumors of inferior division of anterior mediastinum, 248; classification of retroperitoneal, as guide in clinical diagnosis, 260; carcinoma of cervix uteri treated at American Oncologic Hospital, 1929-1949, 261; of suprarenal gland; of suprarenal medulla, 273; advantages of transurethral removal of certain, of bladder, 279; soft-tissue, of sole; with reference to plantar fibromatosis, 285; surgical treatment of solitary bone cysts and giant cell, 288; of thyroid and radioactive iodine, 306; new method of treatment of inoperable, of brain by stereotaxic implantation of radioactive gold; preliminary report, 307; slow-growing, of jaw, 326; malignant parathyroid, 332; early diagnosis of, of spine, 337; primary malignant, of jejunum and ileum, 360; experience with implantation of radon seeds for bladder; comparison of results with other forms of treatment, 383; extremely rare mesenchymal, of bladder; angioreticulosarcoma, 383; conservative versus radical treatment of, of bladder, 384; classification of, of testis; clinical and pathological study based on 105 primary and 13 secondary cases in adults; 3 primary and 4 secondary cases in children, 387; of cryptorchidic testis, 388; lipoma destruens, 415; squamous cell, of skin of benign character; new clinical form; multiple recurring squamous cell epitheliomas with tendency toward spontaneous cicatrization, 415; of vagal body, 518; foreign-body granulomas and sarcoidosis; clinical and histopathologic study, 538; primary malignant,

of hand, 539; fifty years of neurosurgery, 1905-1955; collective review, 417, 419, 436, 460, 465, 471, 474; papillary adenocystoma lymphomatosum (Warthin's tumor), 565; case of giant myxoma of breast, or cystosarcoma phylloides, 573; lymphangiomatous, in pericardial region, 577; gastric, other than carcinoma; report of unusual cases, 581; diagnostic errors in study of renal, 600; significance of shifts in serum protein contents in diagnosis of, of bone, 620; chemotherapy of solid, with triethylene thiophosphoramide, 623; sacrococcygeal chordoma; its surgical treatment, 624; prepubertal malignant melanomas; report of 2 cases, 624; malignant melanoma; 10-year results following excision and regional gland resection, 625; evolution of scientific concepts of cancer, 625; implantation of cancer; avoidable surgical risk, 625; fibrosarcoma of extremities; review of 45 cases, 626

Ulcer, Reflections on surgical treatment of duodenal, 59; chronic colitis with; early and late experience of 124 patients with ileac stomas, 61; role of vitamin A in healing of, of cornea, 142; experimental gastric histamine erosions and, with reference to effect of somatotropic hormone on their frequency 157; partial gastrectomy with or without vagus resection for duodenal or marginal, 158; effects of adrenocorticotropic hormone (ACTH) and cortisone on peptic; clinical review, 158; treatment of perforated gastroduodenal, by emergency gastric resection, 252; effects of adrenocorticotropic hormone (ACTH) and cortisone on peptic; experimental studies on Mann-Williamson dogs, 253; study of recent experimental findings concerning vascular pathogenesis of peptic, 355; recurrent or persistent peptic, following secondary operations for peptic; analysis of 11 cases, 355; acute massive hemorrhage and acute perforation in peptic, 524; hypertensive ischemic, of leg, 531; pseudosyringomyelial lesions of lower extremities; interpretation and classification, 537; duodenal, as occasional etiologic factor in obstructive jaundice, 584; antroduodenectomy and x-ray irradiation in treatment of duodenal; progress report, 584

Ultrasonics, Fifty years of neurosurgery, 1905–1955; collective review, 417, 500

Uremia, Electrolyte therapy in control of, with reference to postobstructive, 77; dialysis in treatment of; artificial kidney, 182

Ureter, Urology from 1905 to 1955; collective review, 1; late results of nephrectomies for lithiasis of kidney and, 176; clinical forms of urogenital tuberculosis, 179; management of accidental injuries and deliberate resections of, during excision of rectum, 256; observations on healing of muscle of; relationship to intubated ureterotomy, 381; diseases of stump of, 382; plastic operations on, 382; injuries of, 601

Ureterocele, 380; ectopic, in infants and children; clinical study, 275; ureteroileoplasty, 276

Urethra, Diverticuli of female, 74; stricture of, following transurethral resection prevented by internal urethrotomy; preliminary report of experience with Otis urethrotome, 74; effect of indwelling catheter on bacteriology of male, and bladder, 77; injuries of, in children, 280; sudden death as result of entrance of x-ray contrast medium into circulation through perforation of, 281; plastics in hypospadias; defects of; stenosis, and fistulas, 384; dangers of urethrography, 601

Urinary tract, Recent anatomic and physiologic facts regarding prostate and vesical outlet and their significance for operative intervention, 72; diverticuli of female urethra, 74; urethral stricture following transurethral resection prevented by internal urethrotomy; preliminary report of experience with Otis urethrotome, 74; results of chemotherapy in infections of, 77; problems involved in renal transplantation, 176; cancer cells in sediment of, 181; study and management of urologic patients with renal failure, 181; ectopic ureterocele in infants and children; clinical study, 275; ureteroileoplasty, 276; vesical orifice obstruction in women and its treatment by transurethral resection, 278; new operation for creation of artificial bladder with voluntary control of urine and feces, 279; experimental use of seromuscular grafts in bladder reconstruction; preliminary report, 280; urinary and fecal incontinence due to congenital abnormalities in children; management by transplantation of ureters to isolated ileostomy, 282; new method of dissolving stones of, 379; ureterocele, 380; diseases of ureteral stump, 382; plastic operations on ureter, 382; urethral plastics in hypospadias, urethral defects, stenosis and fistulas, 384; comparative studies and deductions with reference to results of medical therapy in group of patients with tuberculosis of, 388; uses of cortisone in urology, with reference to osteitis pubis, 603; emergencies in urologic surgery, 603

Urine, Ion-binding properties of electrophoretically homogeneous mucoproteins of, in normal subjects and patients with renal calculus disease, 175; clinical use of uropepsin in, in medicine and surgery, 310; comparative evaluation of colpocytologic examination and titer of steroids in, in functional gynecologic diagnosis, 371

Urography, Renal angiography in cases of delayed excretion in intravenous, 304

Urology, 1905–1955; collective review, 1

Uropepsin, Clinical use of urinary, determination in medicine and surgery, 310

Uterine tubes, Primary cancer of, 264; primary carcinoma of; experiences gained from material of Leipzig University Women's Clinic from 1937 to 1953 (29 cases), 369

Uterus, Tuberculosis of cervix of, 167; study of environmental factors in carcinoma of cervix, 167; reflections apropos statistics pertaining to 3,327 cases of epithelioma of cervix of, treated by radiation from 1919 to 1947 at Curie Foundation, 167; anatomic basis of Wertheim operation as modified by Meigs, 168; cervical and endometrial lesions in, removed because of benign affections of corpus, 261; clinicostatistical data on cases of fibroma and carcinoma of, in material received at Obstetrical-Gynecological Clinic of L. Mangiagalli, of Milan, in years 1928 to 1952, 261; carcinoma of cervix of, treated at American Oncologic Hospital from 1929 to 1949, 261; extended abdominal hysterectomy with pelvic lymphadenectomy for carcinoma of cervix; Okabayashi operation and its improved techniques, 262; radical hysterectomy and pelvic lymphadenectomy; review of 473 cases including 244 for primary invasive carcinoma of cervix, 262; sarcoma of, 262; inversion of, and new method of treatment, 367; procuring of cells by "superficial abrasion" in early diagnosis of epithelioma of portio; with introductory remarks with reference to cytochemical study of material thus procured, 367; treatment of endometrial carcinoma at Women's Hospital of Basel, 368; tuberculous intrauterine symphysis; characteristic anatomical, clinical, and radiological syndrome, 591; environmental factors in cervical cancer; approach to its prevention, 591; conservative treatment of carcinoma in situ of cervix; clinical and cytopathologic study, 591; report of 403 cases of carcinoma of corpus (1935–1949); staging and therapy, 592; sites of metastases of carcinoma of, 592; study of effects of dihydroergotamine on intact human; sympatholytic properties; oxytocic properties, 593; five-year community study of Papanicolaou screening for cervical cancer, 594; cylindrical, in obstetrics, 597

VAGAL body, Tumor of, 518
Vagina, Clinicostatistical remarks on obstetrical intervention per route of, executed in two decades, 168; comparative evaluation of colpocytologic examination and titer of urinary steroids in functional gynecologic diagnosis, 371; partial colpocleisis; Le Fort procedure; analysis of 100 cases, 593
Varices, Care and treatment of varicose veins, 84; demonstration of collateral function of esophageal, in portal hypertension, 162; intraesophageal ligation of bleeding esophageal, 248; limits and dangers of injection therapy for, 399
Veins, Care and treatment of varicose, 84; technique of ascending phlebography of lower extremity, 411
Vena cava, Late results of ligation of inferior, 531; injury of inferior, during nephrectomy, 600
Vertebrae, Considerations with reference to diagnosis of tumors of, 80; syndrome of Putti, 183; ossification of, 606
Virus hepatitis, Theoretical consideration of spread of, by plasma transfusions, 532
Vitamins, Role of vitamin A in healing corneal ulcers, 142
Vocal cords, Synechiae of, 145
Volkmann's contracture, Ischemic; treatment, 80
Vulva, Results of planned attack on carcinoma of, 66; carcinoma of, 370

WAR, Initial care of severely wounded, 87; development in plastic surgery, 1905–1955; collective review, 209; bacterial flora of blood stream in Korean battle casualties, 405; bacterial flora of battle wounds at time of primary débridement; study of Korean battle casualty, 405; bacterial flora of healing wounds; study of Korean battle casualty, 405; clinical experiences in early management of most severely injured casualties of, 535; fifty years' progress in surgery of hand; collective review, 541
Weight, Rate of loss of body, following surgical stress of uniform intensity, 401
Wertheim operation, Anatomic basis of, as modified by Meigs, 168
Whiplash injury of lumbar neural arch, 611
Wounds, Disruption of abdominal, 66; initial care of severe, 87; histopathologic changes in experimental thermal, 88; differences between rate of healing of, inflicted with short time interval; cutaneous incisions, 101; healing of disrupted and resutured, 103; bullet, of left ventricle, 349; bacterial flora of, of battle, at time of primary débridement; study of Korean battle casualty, 405; bacterial flora of healing; study of Korean battle casualty, 405; present-day early care of traumatic, 533; injuries to hand in children, 534; molten plastic, of hand; report of 2 cases, 534; clinical experiences in early management of most severely injured battle casualties, 535; fifty years' progress in surgery of hand; collective review, 541; injuries of ureter, 601; roller and wringer injuries; clinical and experimental studies, 616; discussion on cross infection of, with antibiotic resistant organisms, 618
Wrist, Considerations on treatment of simple and nonunited fractures of carpal scaphoid, 189; wedge arthrodesis of, 285; rotary angulatory osteotomy of metacarpal bones in mutilated hands, 286; dislocation of carpal scaphoid; report of case; 611; dislocation of fifth carpometacarpal joint, 611

ZYGOMA, Note on management of recent fractures of, involving floor of orbit, 327

ABSTRACTS AUTHOR INDEX TO VOLUME 101

Abatzis, 525
Abbo, Ignazio, 155
Abbott, Osler A., 155, 342
Aboulker, J., 307, 569
Abrahamson, Ira A., Jr., 42
Ackerman, Lauren V., 625
Acquati, Angelo, 335
Adam, Alberto, 246
Adams, Raymond D., 101
Adderly, C. H., 379
Aderhold, K., 412
Adhaulia, H. N., 142
Adi, Abdus Sattar, 585
Adkins, E. W. O., 606
Adler, U., 368
Agarwal, L. P., 41, 142
Aghina, Armando, 103
Aird, Ian, 416, 583
Alati, Emanuele, 101
Albot, Guy, 163, 581
Aldrich, E. Meredith, 583
Alex, R., 595
Allen, Max J., 255, 355
Allen, Raymond A., 285
Alley, Ralph D., 153
Alpen, E. L., 90
Altemeier, W. A., 207
Altemeier, William A., 194
Alwall, Nils, 86, 599
Anastasio, J. V., 336
Anderson, Arthur A., 347
Anderson, Marguerite A., 103
Andrew, John, 284
Angelino, P. F., 173
Anlyan, William G., 102
Anthone, Roland, 347
Antoine, Bernard, 176
Anzisi, G., 67
Arena, Joseph A., Jr., 403
Aron, E., 355
Artner, J., 66
Artz, Curtis P., 87, 399, 535
Ashe, John R., Jr., 375
Ashley, Franklin L., 565
Ask-Upmark, Erik, 347
Astorri, P., 252
Aubin, A., 145
Aurig, G., 202

Bachman, Arnold L., 201
Bai, Angel F., 341
Bailey, Charles P., 152, 246
Bailey, David, 404
Baker, James P., 583
Baker, Joel W., 365
Baker, Joseph M., 534
Baker, Roger, 175
Bakst, Alvin A., 246
Bakst, Alvin E., 152
Ball, M. R., 311
Ballantyne, J. F., 141
Bancale, A., 326
Bandiera, Costante, 62
Banov, Leon, Jr., 256
Banzi, C., 354
Barbieri, Edward A., 363
Barczak, Edward M., 595
Bargen, J. Arnold, 61
Barnes, Roger W., 384
Barns, Tom, 593
Baron, Samuel, 414
Barrett, N. R., 351
Barriere, Henri, 537
Barter, A. P., 336
Barthel, Heinz, 81
Barton, Harry C., 579
Bateman, Jeanne C., 623
Baud, Juliette, 167
Bauer, K. H., 88
Baumgartner, J., 530
Baxter, Hamilton, 310
Baxter, Robert H., 149
Bazan, P., 293
Beaconsfield, Peter, 337
Bean, William Bennett, 623
Beard, Crowell, 237
Bechtold, John E., 254
Beck, 364
Beck, Claude S., 51
Beck, Diana J. K., 147
Beck, Hans R., 201
Becker, J., 336
Beecher, Henry K., 105
Begnis, Carlos Sylvestre, 362
Behrens, Heinz, 369
Bell, H. Glenn, 193
Belli, L., 586
Bennett, Warren A., 71
Bennetts, Frederick A., 382
Benson, Walter R., 102
Bergman, F., 373
Bergman, R. Theodore, 384
Bergner, Robert Patrick, 407
Berntsen, Carl A., Jr., 301
Besse, Byron E., Jr., 203
Betke, K., 521
Bhatt, P. A., 50
Bierling, G., 611
Bill, Alexander H., 282
Billing, Lars, 96
Billings, Carl E., 331
Bischoff, Peter, 71
Bissi, A., 332
Bistolfi, Franco, 65
Biström, O., 291
Bitker, Michel-Pascal, 276
Bjørneboe, Mogens, 91
Black, B. Marden, 61
Black, Harrison, 50, 56
Blain, Alexander, III, 403
Blalock, John, 358
Bleck, E. E., 617
Bloom, H. J. G., 337
Blount, S. Gilbert, Jr., 154
Bodiou, 195
Boerema, I., 248
Boles, Thomas, 257, 365
Bologna, Umberto, 262
Bolognesi, Mino, 65
Bolton, Houck E., 152
Bompiani, A., 371
Boragina, Rodolfo C., 152
Borell, U., 266
Borell, Ulf., 591
Borelli, C., 586
Börger, G., 162
Borgström, Karl-Eric, 97
Bortini, Ennio, 66
Bossi, Renzo, 304
Bosworth, E. B., 245
Bottini, Evaristo B., 76
Bougas, James A., 347
Bourdon, R., 525
Bowers, Ralph F., 531
Boyce, William H., 175
Boyd, David P., 49
Boyd, Gladys L., 48
Brackin, Roy E., 620
Branch, Arnold, 570
Brandes, Walter W., 591
Braütigam, H. H., 170
Brayshaw, James R., 153
Breitner, J., 368
Bret, A. J., 596
Breuning, M., 173
Brewer, Lyman A., 341
Brindley, H. H., 626
Brock, Russell, 49
Brockman, Leroy, 581
Brodetti, Alberto, 379
Bronwell, Alvin W., 535
Brooks, Donal, 571
Brown, D. V. L., 515
Brown, Grayton, 584
Brown, James Barrett, 194, 209
Brown, Thomas H., Jr., 186
Brownell, Gordon L., 569
Bruce, John, 147, 254, 583
Brush, Brock E., 587
Bruwer, André J., 237
Bucalossi, Pietro, 47
Bues, Elmar, 241
Buller, William, 245
Bunker, John P., 92
Bureau, Yves, 537
Burman, Sheldon Oscar, 518
Burnett, C. W. F., 171
Burns, Edgar, 278
Busby, Trent, 376
Button, Richard R., 328
Byrd, Benjamin F., Jr., 340
Byrnes, Victor A., 515
Cabrol, 519
Cade, Stanford, 244
Caffery, Eldon L., 381
Cahn, J., 195, 197
Caithaml, Wolfgang, 83, 85, 615
Call, Dean E., 88
Calvert, Rowland J., 614
Camera, R., 393
Campbell, Elmore M., 596
Carcò, Paolo, 333
Carerj, L., 188
Carothers, E. L., 205
Carr, Duane, 519
Carroll, Robert E., 300
Carroll, Walter W., 573
Carter, J. F. Bolton, 404
Castleton, Kenneth B., 517
Caucci, M., 397
Caucci, Manlio, 388
Cavallero, Cesare, 273
Cavina, G., 252
Cazal, P., 532
Chaddah, M. R., 144
Chambers, William R., 147
Chandler, Paul A., 566
Chang, K. H., 245
Chanoine, F., 360
Chasmar, L. R., 299
Chérigié, E., 525, 525
Child, Charles G., III, 579
Churchill-Davidson, H. C., 409
Cibis, Paul A., 515
Clarke, Ruscoe, 64, 535
Clauss, Roy, 56
Cleary, James A., 145
Clements, F. W., 401
Cleveland, Henry C., 154
Clifford, Robert H., 539
Clifton, F., 237
Clumpner, Eugene R., 377
Cocchi, U., 306
Cocchi, Umberto, 619
Coffé, J., 61
Coffey, Victoria P., 414
Cogniaux, P., 61
Cohen, E. J. L., 179
Cohen, Herman, 245
Colacurci, A., 377
Colcock, Bentley P., 538
Cole, Donald R., 346
Cole, William, 194
Colette, C., 597
Coll, J., 570
Coller, Frederick A., 254
Collette, J. M., 329
Colson, P., 401
Committee on Analgesia in Midwifery, 174
Conde, J., 143
Conerly, Dawson B., Jr., 340

Connell, John N., 172
Connell, M. C., 611
Conti, A., 331, 350
Converse, John Marquis, 311
Cook, J., 164
Cooley, Denton A., 246, 581
Cordes, Frederick C., 329
Cordier, G. J., 519
Cornfield, Jerome, 167
Costanzo, Dante, 292, 391, 609
Costenbader, Frank D., 41
Cox, E. Aubrey, 162
Cox, Marian E., 403
Crane, J. Freeman, 382
Crane, Jay J., 382
Crawford, David B., Jr., 591
Crawford, Glenn B., 257
Crohn, Burrill B., 58
Cross, Kenneth R., 522
Csillag, I., 258
Culbertson, William R., 194
Curtis, Raymond M., 184
Curwen, M. P., 77
Cutler, Norman L., 237
Cvetojevic, Milica, 41

Da Costa Lima, Luiz, 356
DaCunha, Fernando, 154
Dahlin, David C., 203
Dakin, Evelyn S., 591
Dale, W. Andrew, 578
d'Allaines, Claude, 520
Damazo, Frank, 587
Damiani, R., 354
Dammann, J. Francis, Jr., 52
Daniel, P. M., 103
Dao, Thomas L-Y., 309
Das, Tulsi, 144
Dato, A. Actis, 173
Daubenspeck, K., 79
Daumet, Ph., 248
Dauzier, G., 537
David, M., 307, 569
Davide, Riva, 354
Davis, A. K., 90
Davis, David M., 278
Davis, Edwin, 281
Davis, Herbert H., 339
DeBakey, Michael E., 246, 581
Decker, K., 96
DeCosta, Edwin J., 595
Deden, Carl, 181
Dees, John E., 599
De Gaetani, G., 98
deGironcoli, Franco, 71
Dekaris, M., 370
Delaini, G., 383
Delarue, Jacques, 346
Delchef, J., 183
Del Grande, G., 614
Della Penna, G. F., 614
De Luca, A., 409
de Maria, Aldo, 342
de Mattia, Roberto, 618
De Moraes, F., 284
Dencer, Derrick, 517
Den Hartog, B. J. C., 399
Dennis, Clarence, 520
de Palo, Angelo, 264
De Racker, Ch., 394
D'Errico, Giovanni, 59
de Ruggiero, Corrado, 391
Desaive, Paul, 326
DeSanto, Dominic, 594
De São Thiago, Paulo, 185
de Sousa Pereira, A., 295
de Takats, Geza, 398
DeTar, Burleigh E., Jr., 257
Deuil, R., 376, 376
Devas, M. B., 287
Dexter, Lewis, 50
Dick, W., 585
Dick, Walter, 341
Dietrich, A., 625
Dillard, David R., 282
Di Matteo, G., 350
Discombe, George, 296
Dobson, Leonard, 624
Doiseau, Jacques-Louis, 173
Donald, Ian, 271
Donzelot, E., 537
Doraiswami, K. R., 167
Douglass, Richmond, 245
Dowling, Harry F., 194
Doyle, Bernard J., 158
Dragstedt, Lester R., 251
Dreiling, David A., 259
Driscoll, John E., 157
Duboe, Sidney H., 331
Dubost, Ch., 520
Dubrasquet, 195
Ducrot, Henri, 176
Dunphy, J. Englebert, 103
Dunsmore, Lillian, 77
Dutton, Arthur M., 151
DuVal, Merlin K., Jr., 164
Dyroff, R., 367
Dyson, R. P., 611

Eberl, J., 304
Ebner, Hans, 264
Ecker, Arthur, 199
Eckmann, L., 536
Edmunds, Fred, 270
Edsman, Gunnar, 203
Edwards, W. Sterling, 83
Eerland, L. D., 244
Egedy, E., 258
Eggers, Harold E., 282
Eichler, O., 191
Ekman, Carl-Axel, 258
Elliott, Daniel W., 364
Ellis, H., 337
Ellis, Laurence B., 50
Ellison, Edwin H., 364
El-Sadr, Abden Rahman, 601
Embrey, Mostyn P., 593
Emmett, John L., 74, 383
Engel, William J., 260
Entin, Martin A., 310, 616
Ericsson, Nils Olof, 275
Eringa, H., 244
Eufinger, H., 207
Evans, David L., 285
Everson, Tilden C., 255, 355
Ewing, M. R., 583
Ezell, Harry E., 592

Falconer, M. A., 336
Falk, Henry C., 593
Fanta, Huberta, 602
Farmer, A. W., 299
Farr, Hollon W., 57
Farrand, Robert E., 56
Farringer, J. L., Jr., 519
Faure, L., 596
Fazekas, I. Gy., 281
Feggetter, Stewart, 360
Fehr, A. M., 289
Felsinger, John M., von., 92
Felson, Benjamin, 202
Fernandes, Aloisio, 589
Fernandez, Juan N., 626
Fernström, I., 266
Ferrara, B. E., 519
Ferraris, Germano, 373
Ferruzzi, Mario, 261
Fetterman, Faith Skinner, 265
Fey, B., 179
Ficat, P., 183
Figi, Frederick A., 101, 333
Fine, Max, 238
Finsterbusch, W., 579
Finsterer, H., 159
Fischer, A. W., 160
Fischer, R., 577
Fish, Harry G., Jr., 149
Fisher, John H., 579
Fisher, John Herbert, 527
Fitz-Hugh, Thomas, Jr., 363
Flear, Cecil T. G., 535
Florena, M., 293
Florent, R., 53
Flynn, J. Edward, 404
Fojanini, G., 331, 350
Fontaine, R., 609
Ford, Charlotte, 105
Forni, I., 187
Forrest, Arnold W., 516
Forsham, Peter H., 193
Fowler, Robert, 576
François, J., 329
Franks, W. R., 299
Franksson, Curt, 273
Fretheim, Bjarne, 57, 57
Friedberg, Stanton A., 240
Fritzsche, Fr., 173
Fruhmann, G., 342
Fründ, R., 394
Fry, Wesley, 579
Fryer, Minot P., 194
Fular, Wilhelm, 86
Fuss, H., 406
Fuzita, Hidekazu, 396

Gaetani, M., 332
Galante, Maurice, 193
Gall, Edward A., 207
Galli, P., 586
Garaix, J. P., 351
Garcia, Alexander, 300
Gardham, A. J., 327
Gardner, George H., 372
Garofalo, Francesco, 74
Garrett, William J., 593
Garrod, L. P., 77
Garvey, Fred K., 175
Gasparini, S., 95
Gasparri, F., 168
Gay, Brit B., Jr., 155
Geisendorf, W., 371
Gelbke, Heinz, 384
Gelin, Lars-Erik, 407
Gemmell, Arthur A., 598
Georgiade, Nicholas, 514
Gernez-Rieux, Ch., 245
Geyer, Robert P., 308
Ghormley, Ralph K., 203, 285
Gibbons, John F., 202
Gibson, Thomas, 93
Gigli, Ugo, 252, 361
Giglio, Angelo Lucio, 207
Gillies, Harold, 301
Gillingham, John, 147
Gil-Vernet Vila, J. M., 380
Gimes, Béla, 620
Giordani, C., 395
Giuseffi, Jerome, 207, 587
Givner, Isadore, 142
Glahn, Mogens, 140
Glover, Robert P., 54
Goddard, Roy F., 270
Goetz, Robert H., 613
Goisis, Mario, 261
Goldberg, Harry, 246
Goldman, Leon, 92
Goldstein, M. S., 166
Goligher, J. C., 256
Gollmitz, Hans, 522
Gontigo, Hugo, 54
Gordon, Ian, 192
Gorton, G., 373
Gossman, H. H., 391
Gottlob, R., 46
Graham, J. W., 256
Graves, Constance L., 177
Gray, James, 270
Gray, Seymour J., 310
Green, H. N., 308
Greene, Nicholas M., 92
Greenspan, Ezra M., 259
Greenwald, Leon, 270
Greer, C. H., 237
Gregg, John B., 522
Greitz, T., 95
Greitz, Torgay, 411
Grey, David N., 602
Grgurević, M., 370
Griesser, G., 577
Griesser, Gerd, 577
Griffen, O. P., 161
Grime, R. T., 379
Grodsky, Lewis, 162
Gross, Georg Werner, 57
Grundmann, G., 577
Guastavino, Geronimo N., 163
Gummess, Glen H., 382
Gumrich, H., 574
Gurling, K. J., 175
Gütgemann, A., 586
Gyllensten, Lars J., 516

Hadjissotiriou, G., 376, 376
Hadley, Henry L., 384

Hahn, Donald P., 153
Hahn, George A., 261
Hahn, P. F., 205
Hale, Donald E., 301
Hall, H., 93
Hanabusa, Jun, 515
Hansen, Farrel L., 88
Hara, H. James, 43
Harken, Dwight E., 50, 56
Harper, Fred R., 53
Harrison, R. G., 391
Harrington, Stuart W., 573
Hartmann, Fritz, 595
Hartmann, Robert C., 376
Hartung, Louis, 195
Harvey, Harold D., 524
Hasche-Klünder, Rütger, 601
Haskins, Arthur L., 372
Hass, George M., 240
Haubrick, Theresa, 270
Hayashi, Taku, 289
Heberer, G., 54, 151
Heim, Konrad, 67
Heimlich, Henry J., 358
Heinrich, G., 582
Heinzel, J., 191
Hellsten, Helge, 529
Hellström, Boe E., 516
Helm, W., 85
Helsby, Raymond, 251
Hencz, Ladislaus, 281
Hendon, Robert G., 278
Hennig, O., 600
Hennig, Otto, 72, 75, 78
Hennrich, G., 586
Henrie, John N., 517
Herbig, Herbert, 353
Heriot, A. J., 175
Herman, Bernard, 529
Herrera, Joaquin, 80
Heslop, Barbara, F., 403
Heusser, H., 615
Higgins, Charles C., 182
Higgins, Laurie W., 594
Hillemand, P., 525, 525
Hillenbrand, H. J., 242
Hillerström, K., 140
Hinrichs, K., 47
Ho, H. C., 164
Hodgkinson, C. Paul, 597
Hoffmann, Th., 200
Hogan, Michael J., 330
Hol, Ragnar, 199
Holinger, Paul H., 154
Holle, F., 582
Holman, Emile, 350
Holub, K., 569
Holzaepfel, John H., 592
Holzer, E., 96
Hömmken, Edeltrud, 348
Hope, John W., 202
Hou, P. C., 164
Houot, R., 401
Howard, John M., 87, 399, 405, 535
Howson, John Y., 265
Hrdlicka, Jiri, 387
Hublet, B., 354
Hudson, Rupert Vaughan, 587
Hufnagel, Charles A., 294
Huggins, Charles, 309
Hughes, E. S. R., 158
Hultborn, K. A., 413
Humphries, J. O'Neal, 153
Hunt, Alan H., 327
Hurwitz, Paul, 42
Huzley, A., 200
Hyman, George A., 516
Hynes, Wilfred, 43

Ibsen, Bjørn, 91
Idborhn, Hans, 95, 304
Ingalls, Theodore H., 597
Inmon, Thomas W., 349
Isaksson, Björn, 63, 163
Ivy, A. C., 356, 523

Jack, E. A., 284
Jackson, Dudley P., 376
Jackson, George G., 194
Jaeger, Horst, 539
Jaenike, John R., 298
Jahna, H., 190
Jamison, William L., 152
Janowitz, Henry D., 58
Jaquenoud, Paul, 195
Jellinek, H., 258
Jennett, W. B., 337
Jensen, Ole J., Jr., 282
Jentzer, Albert, 521
Jessop, W. J. E., 414
Jim, Vernon K. S., 42
Johnson, H. Daintree, 416
Johnson, Neil, 157
Johnson, Sven Rune, 538
Johnson, Thomas H., 279
Johnsson, Sven, 599
Johnston, Edward V., 254
Johnston, Kenneth C., 154
Jones, James B., 186
Jönsson, Gösta, 538
Joos, Howard A., 50
Jordan, George L., 581
Judd, Edward S., Jr., 257
Judd, James M., 245
Judet, J., 81
Judet, R., 81
Juvenelle, André, 93

Kaden, Van G., 362
Kaess, H., 568
Kahn, Edgar A., 46
Kanar, Edmund A., 531
Kane, James M., 523
Kannapel, Allen R., 171
Kaplan, Emanuel B., 610
Karp, Mary, 177
Karr, Samuel L., 351
Kattus, Albert A., Jr., 52
Katzin, H. M., 142
Kaufman, Sherwin A., 593
Kaufmann, H., 537
Kausel, Harvey W., 153
Keith, John D., 521
Kelley, Alex P., Jr., 539
Kelley, Gurney E., 49
Kempton, J. J., 403
Kennedy, Robert H., 533
Kepp, R. K., 170
Ker, H. R., 611
Kerr, Walter S., 92
Kidwell, Allyn P., 57
Kierland, Robert R., 237
Kimoto, Seiji, 84
Kimura, Samuel, 330
Kindler, H., 288
Kircher, Lawrence, 575
Kirkwood, Samuel B., 597
Kirschner, H., 344
Kirtland, Howard B., Jr., 49
Kirwin, Thomas Joseph, 603
Kjessler, Åke, 378
Klar, E., 336
Klein, Chester L., 579
Kligerman, Morton M., 516
Klimpel, K., 274
Klingensmith, Paul O., 266
Klotz, 145
Knigge, E., 585
Knipper, W., 382
Kny, W., 344
Köle, Wolfgang, 63
Kolff, W. J., 182
Kolonja, S., 68
König, P., 585
Konjetzny, G. E., 252
Kothe, W., 202
Kozoll, Donald D., 523
Kraft, Erwin, 86
Kratochvil, K., 243
Krauss, H., 521
Kremen, Arnold J., 529
Krook, H., 585
Kübler, E., 574
Kühnel, Poul, 268
Kusz, Clarence V., 84
Kvale, Walter F., 71

Lambert, A., 591
Landor, John, 251
Langendorff, H., 99
Langmaack, B. H., 399
Lapides, Jack, 381
Laplanche, Cl., 376, 376
Largen, Thomas, 587
Larsson, L. G., 413
Lassen, H. C. A., 91
Latcher, J., 167
Laurier, Ruben, 341
Lazorthes, G., 570
Leavelle, Robert B., 566
Leb, Samuel M., 531
Lebrun, Jacques, 82
Lechtenborger, H., 342
Leclerco, P., 401
Lederman, M., 619
Lee, Leroy W., 281
Leger, Lucien, 163
Leigh, Ted F., 155
Leighninger, David S., 51
Lemenager, J., 351
Lenggenhager, K., 394
Lennox, Bernard, 416
Lepaul, G., 245
Lepper, Mark H., 194
Letterman, Gordon S., 625
Leun, W., 399
Levin, Emanuel J., 202
Lewin, Walpole, 45, 147
Lewis, George C., Jr., 65
Lewison, Edward F., 339
Liddle, Edward B., 575
Liess, G., 283, 411
Lindberg, Robert B., 405, 405, 405
Lindenschmidt, Werner, 264
Linder, F., 248, 407
Linell, Folke, 538
Liu, Winifred, 262
Livesay, W. R., 362
Lloyd-Roberts, G. C., 607
Loerbroks, B., 283
Loeser, Alfred A., 309
Löfgren, L., 157
Lofgren, Sven, 538
Löfstedt, S., 95
Löfström, Bertil, 407
Lorimer, W. S., Jr., 259
Lovejoy, Frank W., Jr., 50
Lowbury, E. J. L., 618
Lowsley, Oswald S., 279
Luisi, Manlio, 169
Luraschi, Carlo, 169
Luzadre, John H., 597
Lynn, R. B., 530
Lyon, Edward S., 251
Lyons, Champ, 83

Macciotta, Massimo, 170
Macfarlane, Catharine, 265
MacFee, William F., 42
Mackie, E. G., 141
MacKrell, Thomas N., 408
Macmanus, Joseph E., 347
Madding, Gordon F., 362
Malbran, Enrique, 328
Maleci, O., 147
Maloney, Walter H., 334
Maluf, N. S. R., 181
Mancuso, M., 614
Mancuso, Manlio, 259
Manfredi, Dante, 363
Manning, James H., 585
Mannix, Edgar P., Jr., 520
Margolis, G., 93
Maria A. Delrio, Jose, 163
Marino, Vincenzo, 393
Marinoni, Ugo, 306
Marques, Fernando, 76
Marshall, John D., 405, 405
Marshall, Samuel F., 581
Martin, Purvis L., 594
Martin, R., 93
Marucci, Horace D., 280
Masing, H., 568
Mason, Mark L., 187
Mason, Michael L., 541
Masters, Frank, 514
Mastromarino, Renato, 607
Maxmen, M., 299
May, Hans, 240
Mayer, M., 264
Mayer, Walter, 142
Mayo, Henry W., Jr., 581
Mazet, Robert, Jr., 605
Mazur, Theodore T., 158
McAuliffe, Thomas C., 54
McClure, C. C., Jr., 205
McCune, William S., 625

McDermott, William V., Jr., 101
McDonald, Harold P., 386
McDowell, Donald E., 334
McFadzean, J. S., 164
McGavack, Thomas Hodge, 616
McHardy, Gordon, 254
McHardy, Robert J., 254
McKenzie, Graham, 363
McKusick, Victor A., 153
McPheeters, H. O., 84
McWhirter, R., 412
McWhorter, Henry E., 101
Meessen, H., 53
Meigs, Joe V., 262
Melicow, M. M., 387
Melis, Marco, 155
Melon, J. M., 195, 197
Meloni, Luigi, 369
Meneghini, C., 95
Mentha, C., 530
Mercer, Walter, 286
Merkel, Byron M., 522
Merriam, George R., Jr., 516, 566
Messent, David, 77
Messier, C. A., 341
Meyer, Karl A., 523
Milch, Henry, 611
Miles, B. E., 409
Miles, Hoyt B., 382
Millard, A. Henry, 90
Miller, Elinor, 70
Miller, J. Martin, 332
Miller, Marlyn W., 149
Milstein, B. B., 49
Mini, Marino, 76
Minno, Alexander M., 71
Minocha, D. B., 144
Mir y Mir, Lorenzo, 298
Mitchell, Robert McNair, 271
Mitsui, Yukihiko, 515
Modlin, John J., 623
Moeys, E. J., 399
Monaci, Marcello, 408
Montbazet, G., 591
Monteverde, G., 586
Monticelli, Giorgio, 608
Moore, Daniel C., 92
Moore, F. D., 311
Moore, Francis D., 308
Moore, Horace G., Jr., 531
Moore, Richard, 364
Moore, S. W., 346
Moran, Robert E., 149
Moreau, R., 376, 376
Morfit, H. Mason, 575
Morisi, Mario, 189
Mörl, F., 91
Morlunghi, Candido, 69
Morris, Kenneth N., 567
Morton, C. Bruce, II, 583
Mottironi, G., 530
Mreyen, F. W., 399
Mueller, Helmut, 154
Muller, J. N., 609
Muller, William H., Jr., 52
Munro, D. D., 245
Muntean, E., 243
Muralt, R. H., von, 203
Muren, A., 101
Murray, Richard D., 89
Musset, R., 591
Mussgnug, G., 414
Mustard, William T., 521
Myrden, J. A., 311

Nagel, W., 586
Nager, George T., 240
Nager, Mathilde, 240
Nakamura, Ichiro, 368
Nardell, Sydney G., 614
Nardi, C., 525
Narducci, Ugo, 261
Natalini, E., 614
Neerken, Adrian J., 575
Neetens, A., 329
Neligan, G. A., 378
Nellen, Maurice, 613
Nelson, Roscoe M., 517
Nelson, T. R., 375
Nemethi, Carl E., 286
Netter, A., 591
Neubauer, Richard A., 77
Neukirch, Frits, 91
Newton, Arthur, 405, 405
Nezelof, Christian, 581
Nixon, H. H., 359
Noack, Hugdieter, 596
Nocentini, Piero, 408
Noer, Rudolf J., 584
Nordenstam, Hans, 538
Norfleet, Charles M., 175
Norman, O., 373
Norris, Atilio Luis, 328
Nowill, W. K., 93
Nuboer, J. F., 51
Nye, Robert E., Jr., 50
Nyhus, Lloyd M., 531
Nylin, Gustav, 349

Obiditsch-Mayer, I., 350
O'Brien, Gerald, 89
Ochsner, Alton, 358
Odenbrett, Peter J., 529
O'Donnell, A. R., 568
Ogier, E., 168
Olivier, Cl., 53
Olsson, Olof, 529
O'Neill, Thomas J. E., 54
Onne, Lars, 286
Opitz, H., 605
Orbach, Egmont J., 531
Orie, N. G. M., 244
Orkin, Lazarus A., 388
Osten, W., 85
Oterdoom, H. J., 247
Ottenheimer, Edward J., 527
Oughterson, Ashley W., 527
Overbeck, W., 585
Overholt, Richard H., 347
Overton, Robert C., 362
Owens, Jennings K., 581

Pack, George T., 101
Padovani, P., 287
Pagani, Carlo, 169
Paillas, Jean, 346
Paine, John R., 347
Palazzi Duarte, A. S., 184
Palumbo, Louis T., 158
Pancino, Niccolo', 609
Pandolfi, Anna, 47
Paneva-Xolevich, E., 290
Paquin, Albert J., Jr., 401
Parrish, Charles M., 586
Parturier-Albot, Monique, 581
Pascarella, Luigi, 68
Pastor, Bernard H., 351
Patel, J., 525
Paterson, Ralston, 98
Paton, R. Townley, 238
Patterson, Howard A., 526
Paulson, Donald L., 348
Pavkovic-Bugarski, Gjorgje, 41
Pavlovsky, A. J., 340
Payne, Franklin L., 65
Peightal, Thomas C., 591
Pellegrini, A., 392
Pendergrass, Eugene P., 149
Penman, W. Robert, 269
Pennino, Carmelo, 186
Peralta, P., 336
Pérez Campoamor, José, 380
Perry, John F., Jr., 529
Pesci, Alessandro, 259
Petković, S., 280
Pfisterer, H. G., 524
Phillips, A. F., 98
Phillips, Charles, 626
Picchio, Carlo, 306
Piccinni, Lucio, 176
Pickrell, Kenneth, 514
Pierre-Bourgeois, 351
Pierson, John C., 101
Pifer, Paul W., 597
Pimblett, G. W., 375
Pittar, C. A., 42
Plá Majó, B., 80
Pollock, B. E., 349
Ponka, Joseph L., 587
Poole-Wilson, D. S., 177
Poppe, H., 95
Posch, Joseph L., 534
Postoloff, Anthony V., 168
Potts, Willis J., 154, 416
Pozzi, Giorgio, 293
Pratt, A. Miles, II, 278
Prentice, Theodore, 535
Prevedel, Arthur, 53, 575
Prevost, André G., 581
Price, Philip B., 88
Price, Thomas, 240
Prichard, Marjorie M. K., 103
Priestley, James T., 59
Prindle, Richard A., 597
Pruneda, Juan, 80
Przemeck, H., 379
Puente Duany, N., 415
Pugh, David G., 203
Putney, F. Johnson, 332
Pyrah, L. N., 389

Quelet, J., 264

Rabe, Melvin A., 157
Rabinovitch, Jacob, 164
Rabinovitch, Phineas, 164
Raeburn, Cyril, 614
Ragnell, A., 140
Ragnhult, I., 413
Ramsey, Colin G., 310
Randall, Henry T., 57
Raper, F. P., 389
Ratcliff, R. A., 403
Rauch, Sigurd, 193
Rausch, E., 79
Ravdin, I. S., 363
Ravdin, Robert G., 363
Ravelli, A., 609
Raven, Ronald W., 144
Ray, Edward S., 142
Reese, Algernon B., 516
Reid, Douglas A. Campbell, 301
Reifenstein, Robert W., 310
Reisch, D., 611
Reitinger, J., 268
Remp, Donald G., 597
Renato Grey, Carlos, 600
Revelli, E., 173
Rhoads, Paul S., 331
Rhode, C. Martin, 624
Riboli, E. P. Berti, 388
Riches, E. W., 275
Richter, H., 140
Richter, Kurt, 168
Ricketts, Marion M., 240
Riddell, Athol G., 101
Rieben, W., 289
Riemenschneider, Paul A., 199
Rieunau, G., 183
Rivière, R., 183
Rizzuti, A. Benedict, 239
Robbins, Laurence L., 48
Robert, F., 200
Robert, Henry G., 370
Roberto, Albert E., 342
Roberts, Kathleen E., 57
Robicsek, F., 571
Robinson, Marsh, 514
Rocca, I., 397
Roche, G., 248
Rodeck, G., 414
Rodenberg, Thomas A., 168
Rodolico, A., 293
Rodriguez Diaz, Luis H., 385
Rogers, Arnold G., 61
Rogers, Blair Oakley, 311
Rogers, James V., Jr., 155
Romanus, Ragnar, 538
Roodyn, Leonard, 301
Rose, H. W., 515
Rosen, Harold J., 570
Röttiger, H., 170
Rouchy, R., 167
Rovati, Luigi, 90, 178
Rowe, Richard D., 521
Rubiés Trías, P., 80, 184
Rubin, William, 327
Rubinstein, K., 141
Ruggeri, Enzo, 82
Ruggiero, G., 307, 569
Ruiz Rivas, M., 365
Rukes, Max, 193
Runge, H., 592
Ryder, Charles T., Jr., 186

Sabassier, H., 355
Sahy, A., 264
Saklad, Meyer, 533
Sako, Yoshio, 535
Salmoni, R., 388
Salomon, Y., 591
Saltzstein, Harry C., 253
Samson, Paul C., 348
Samuels, Peter B., 294
Sandblom, Philip, 101, 258, 538
Sanders, Martin, 259
Sandweiss, David J., 158, 253
Sass, Robert E., 538, 565
Savlov, Edwin D., 103
Saxena, R. P., 41
Scaglietti, O., 183
Scarff, John E., 417
Scarsi, G. M., 388
Scheele, K., 601
Scheer, K. E., 336
Scheinberg, Schayel R., 253
Schiedt, Eva, 606
Schiessle, Walter, 93
Schiff, Leon, 207
Schlaff, Johannes, 393
Schlomka, G., 605
Schmidt, W. J. H., 297
Schmitz, Everett J., 531
Schmitz, Herbert E., 377
Schneider, Charles L., 69
Schoberth, H., 291
Schoen, Rudolf, 595
Scholz, O., 202
Schrire, Velva, 613
Schroeter, Gerhard, 206
Schroff, P. D., 167
Schuler, F., 609
Schultz, G. A., 310
Schürholz, A., 242
Sedgwick, Cornelius E., 565, 586
Seifert, L., 412
Seldinger, Sven Ivar, 303
Sellers, Francis M., 177
Seltzer, Gerard, 414
Sen, P. K., 50
Senturia, B. H., 330
Settimi, A., 573
Sewell, William H., 153
Shackelford, Richard T., 624
Shackman, Ralph, 77
Shah, C. B., 50
Shambaugh, George E., Jr., 330
Shannon, D. W., 298
Sharrard, W. J. W., 392
Shaw, Robert R., 348
Sheline, G. E., 90
Shelswell, J. H., 288
Shepherd, Margaret M., 287
Sherman, Charles D., Jr., 578
Sherman, Roger, 194
Shields, Thomas W., 573
Shingleton, William W., 102
Shoemaker, William C., 280
Shooter, R. A., 77
Shumacker, Harris B., Jr., 53
Sibley, John R., 331
Sicard, André, 605
Siliquini, P. N., 173
Silverstein, Martin Elliot, 616
Silverton, R. J., 386
Simons, Milton, 339
Sinskey, Robert M., 329
Sinton, William, 300
Sirek, Anna, 521
Sison, Francisco, 175
Sjöstedt, S., 373
Skjerven, Odd, 199
Skoog, Tord, 310
Slate, Thomas A., 594
Small, Robert G., 151
Smedal, Magnus I., 49
Smith, Arthur E., 514
Smith, Charles J., 377
Smith, Rodney T., 52
Snape, W. J., 584
Snellman, Björn, 255, 538
Sniffen, Ronald C., 48
Soltész, L., 571
Sophian, L. H., 330
Sora, P., 371
Sora Piero, 367
Soutter, Lamar, 48
Spain, David M., 343
Speed, Kellogg, 620
Stafford, Edward S., 92
Stagnara, P., 401
Stansfeld, A. G., 416
Stare, Frederick J., 308
Staudinger, Leonard, 538
Steenburg, R. W., 311
Steinbock, A., 273
Steiner, R. E., 530
Steinhardt, Oskar, 247
Stelzner, A., 207
Stelzner, Friedrich, 161
Stenger, A., 206
Stephen, C. R., 93
Stephen, C. Ronald, 102
Stern, D. M., 171
Stoll, Peter, 264
Stolzer, H., 579
Stone, C. S., Jr., 92
Stone, Hrant H., 408
Stranahan, Allan, 153
Strawitz, Joseph G., 399, 405
Streli, Rudolf, 610
Strickland, Paul, 204
Stucke, K., 88
Sturdevant, Clinton E., 386
Sturgis, Margaret C., 265
Sucre, Antonio, 358
Suermondt, W. F., 567
Suesse, H. J., 202
Sugie, Saburo, 84
Sullivan, Charles Leavitt, 596
Sunder-Plassmann, P., 242
Sureau, Claude, 605
Sutton, David, 305
Swan, Henry, 154
Swan, Kenneth C., 140
Swartz, Edgar A., 330
Sweet, William H., 569
Swenson, Orvar, 526, 527
Swenson, Paul C., 313
Swinehart, Laymond A., 597
Szendröi, Zoltán, 620

Tabah, Edward J., 41
Taillard, W., 283
Talairach, J., 307, 569
Taneja, G. M., 144
Tarneaud, 145
Taylor, Frederic W., 162
Temesvári, A., 571
Teng, C. C., 142
Ter Brugge, R., 244
Thiel, Walter, 168
Thomas, J., 367
Thomas, Maxwell, 240
Thomas, Walter L., 375
Thompson, Gershom J., 279
Thornley, Roland, 603
Thygeson, Phillips, 330
Tidrick, R. T., 166
Tobin, William J., 284
Topley, Elizabeth, 535
Toporek, Milton, 414
Tornberg, Axel, 599
Toti, Antonio, 621
Totten, H. P., 191
Tough, J. Scott, 93
Towne, Janet E., 368
Trabucco, Armando, 76
Trojan, E., 289
Trotter, Robert R., 566
Trump, John G., 49
Ts'ui-T'ing, Huang, 365
Tsunoda, Masahiko, 84
Tucci, Riccardo, 608
Tuchmann-Duplessis, H., 264
Turner, Rod, 384
Turner, Thomas B., 92

Ullberg, Sven, 406
Ullery, John C., 172
Ulvestad, Lawrence E., 294
Upchurch, Wilborn E., 386

Valentin, H., 342
Valle, Giuseppe, 373
van der Slikke, L. B., 346
Van Dooren, P., 573
VanFleet, William E., 342
Vangelista, Giuseppe, 355, 363
Van Itallie, Theodore B., 308
Van Weel, M. W., 155
Van Wyk, F. A. K., 530
Vataja, Ulla, 264
Vazquez Martin, S., 528
Venne, Jean-Paul, 341
Venrath, H., 342
Verbrugge, J., 185
Vermooten, Vincent, 279
Veronesi, Umberto, 47
Vespignani, Luigi, 303
Vigoni, M., 61
Viguié, R., 525
Villaamil Muñoz, Arturo, 369
Villaseca, Alfredo, 328
Vineberg, Arthur, 245
Vogelpoel, Louis, 613
Vogler, E., 204

Walker, William, 378
Walls, E. W., 308
Wang, C. C., 568
Wanke, R., 150
Ward-McQuaid, J. N., 103
Warren, Kenneth W., 588
Warren, Richard, 585
Warter, P., 609
Wassink, W. F., 150
Waterhouse, Christine, 298
Watkins, David H., 53
Watkins, Melvin B., 186
Waugh, John M., 254
Waugh, William H., 182
Way, Stanley, 66
Weber, Wolfgang, 241
Webster, Jerome P., 409
Wechsler, Richard L., 408
Weil, S., 394
Weill, R., 597
Weinberg, Milton, 581
Weitz, Günther, 362
Wells, C. Robert E., 54
Wells, Charles, 251
Wense, G., 350
Wenzl, M., 350
Werkö, Lars, 599
Westman, A., 266
Wetzler, Theodore F., 405, 405, 405
Weyer, Albert G., 57
Wheat, Myron W., Jr., 625
Whitcomb, John, 587
White, T. G. E., 375
Whitehead, Raymond, 379
Wiener, Alexander S., 295
Wilder, Joseph R., 525
Wile, Simon A., 173
Wilhelm, Erich, 344
Wilkins, Earle W., Jr., 344
Wilkinson, F. R., 48
Willett, Forrest, 350
Williams, D. C., 353
Williams, D. Wynn, 402
Wilson, C. P., 327
Wilson, G. M., 311
Wilson, John W., 410
Wimhöfer, H., 592
Winderen, Lars, 199
Windeyer, B. W., 97
Winfield, James M., 358, 616
Winterringer, James R., 74, 383
Wirth, Wolfgang, 197
Witt, A. N., 79
Witts, L. J., 583
Wohl, George T., 351
Wolferth, Charles C., 363
Wood, Ian J., 584

Woods, Francis M., 347
Woodward, Edward R., 251
Woolf, Ralph B., 372
Woolner, Lewis B., 101, 285
Wynder, Ernest L., 167, 591

Yagi, Hideo, 262
Young, D. M., 299
Yu, Paul N., 50

Zaaijer, J. H., 415
Zachariae, E., 206
Zachariae, L., 206
Zaffagnini, 73, 278
Zeitz, H., 592
Zerwick, Calvin J., 88
Ziffren, Sidney E., 299
Zimmer, Johannes, 199
Zollinger, Robert M., 257, 364
Zuern, L., 196
Zwicker, Martin, 85